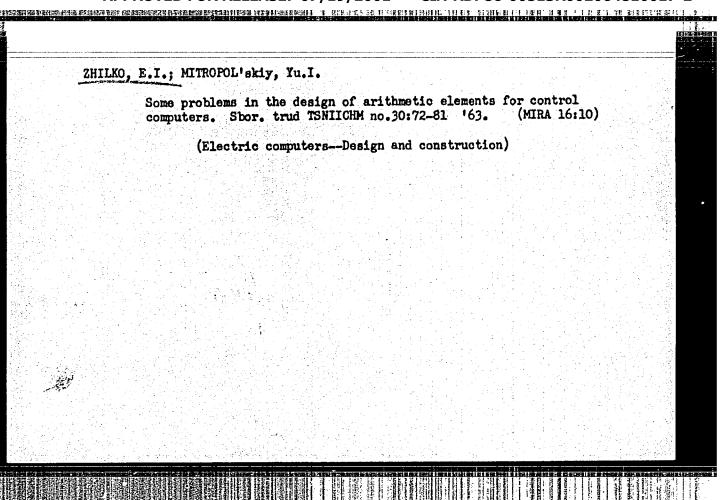
BALYCHEV, O.N.; ZHILKO, E.I.; SHIBAYEV, I.P.

Device for an automatic selection of an optimum permissible deviation of the temperature of charge-hole circumference from its mean temperature. Sbor. trud TSNIICHM no.30;28-32 '63. (MIRA 16:10)

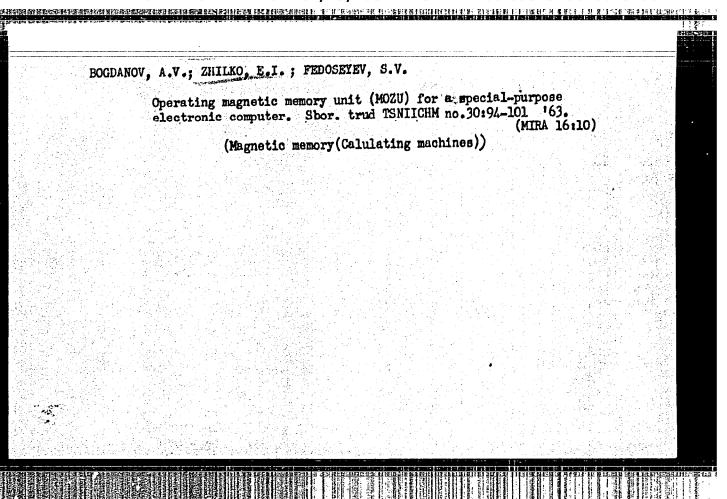
(Blast furnaces—Equipment and supplies)
(Antomatic control)

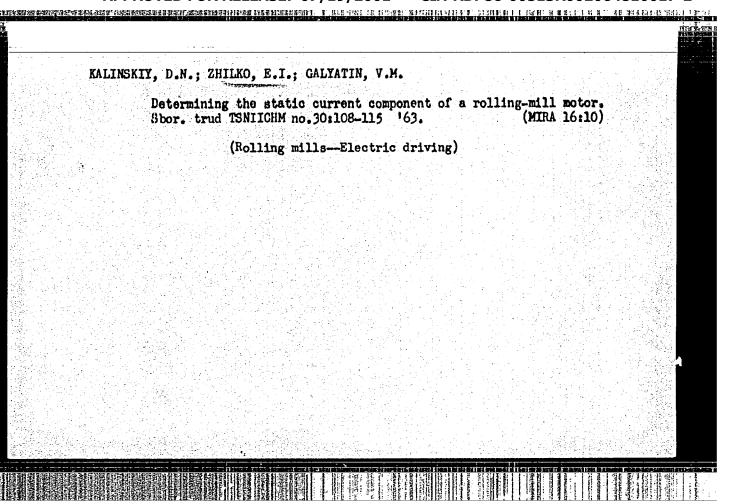


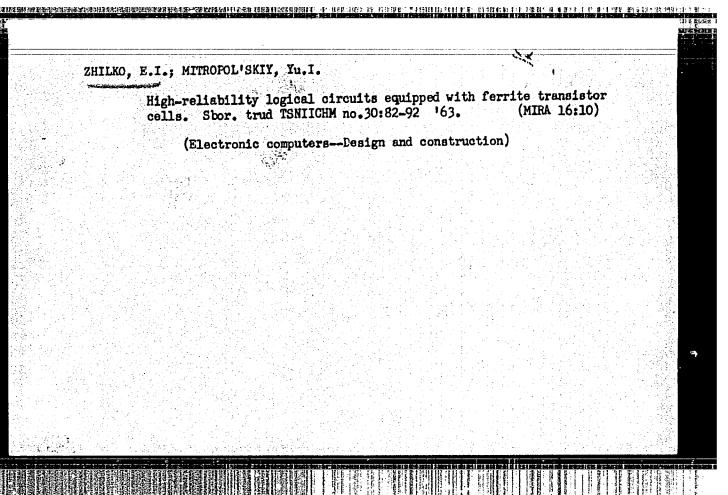
GALYATIN, V.M.; KALINSKIY, D.N.; Prinimali uchastiye: KUROCHKIN, I.F.;
DUVANOV, A.I.; SOLOV'YEV, Yu.F.; GERASIMOV, Yu.V.; GROSVAL'D, V.G.;
SHASHKOV, W.N.; VOLKOV, A.A.; ZHILKO, E.I.; MITROPOL'SKIY, Yu.I.;
FEDOSEYEV, S.V.; GONCHAROV, F.I., rabotnik; SHEMETOV, P.Ye.,
rabotnik; CHUPRINA, I.A., rabotnik; DEMIN, P.Ye., rabotnik;
GONCHARENKO, P.V., rabotnik; SIMANYUK, G.N., rabotnik

Investigating power and technological parameters of rolling on the 2350 medium sheet mill. [Sbor. trud.] TSNIICHM no.29:138-148 '63. (MIRA 17:4)

1. Sotrudniki TSentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Gerasimov, Grosval'd, Shashkov, Volkov, Zhilko, Mitropol'skiy, Fedoseyev). 2. Listoprokatnyy tsekh Magnitogorskogo metallurgicheskogo kombinata (for Goncharov, Shemetov, Demin, Chuprina, Goncharenko, Simanyuk).



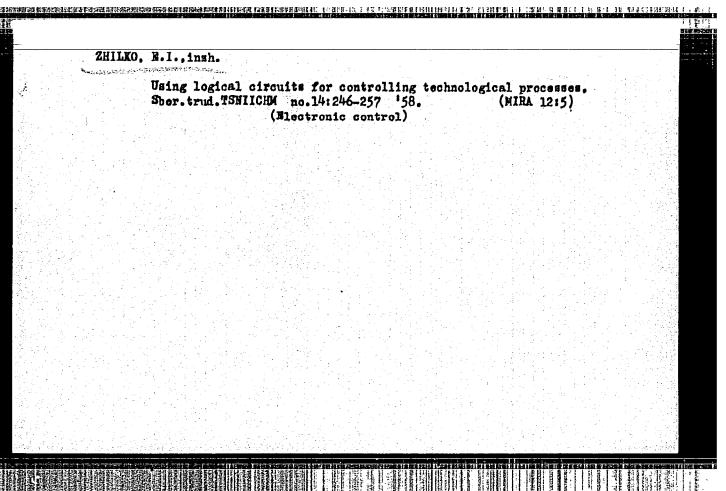




EALYCHEV, O.N.; ZHILKO, E.I.; MAKEYEV, I.F.; SHIBAYEV, I.P.

Command and executive device for automatic control of a charge distributor depending on the gas temperature along the charge hole circumference of a blast furnaces. Sbor. trud TSNIICHM no.30:23-27 '63. (MIRA 16:10)

(Blast furnaces—Equipment and supplies)
(Automatic control)

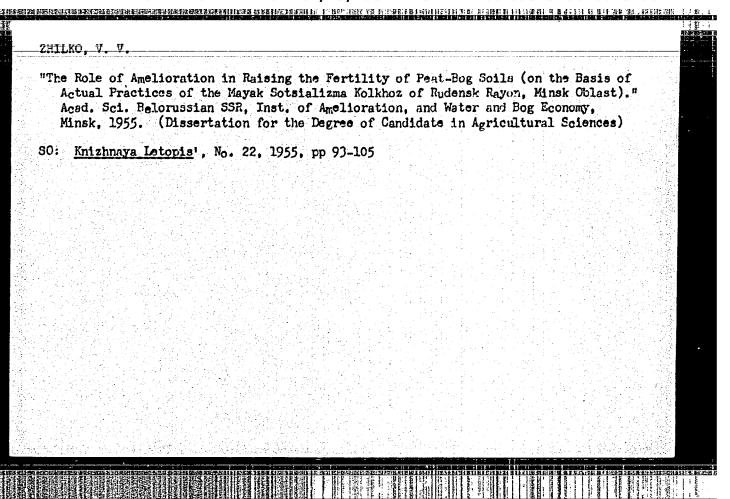


ZHILKO, Vladimir Vasil'yevich; LAZARCHIK, K., red.; ZEN'KO, M., tekbn.
red.

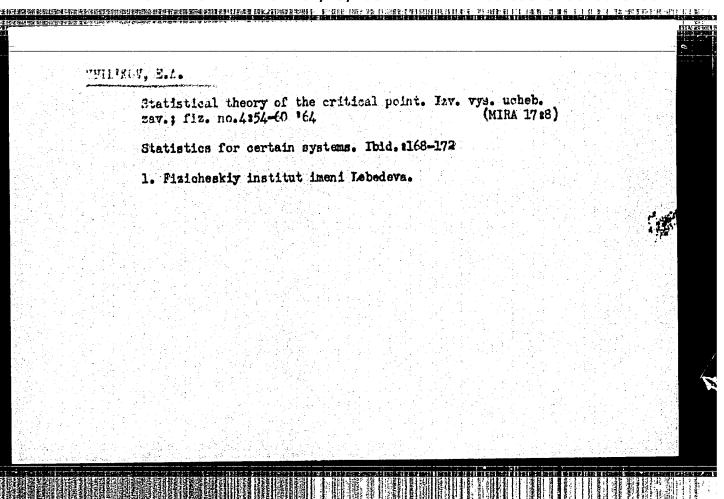
[Erosion control in White Russia]Bor'ba s eroziei pochv v Belorusskoi SSR. Minsk, Cos.izd-vo sel'khoz. lit-ry BSSR, 1962. 39 p.

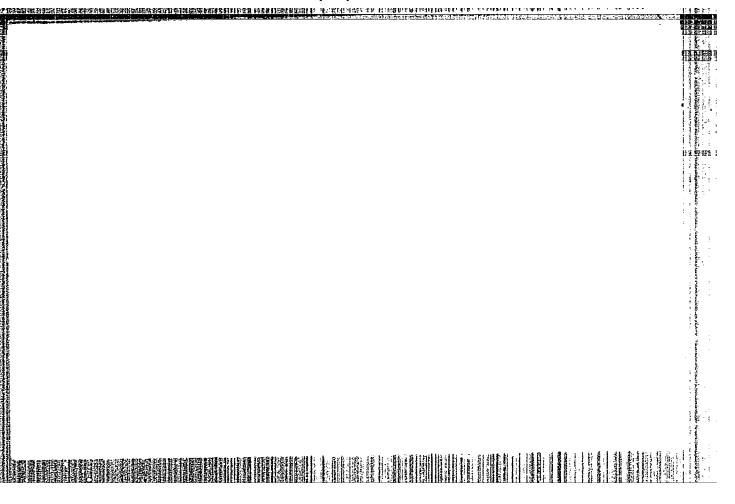
(White Russia—Erosion)

(White Russia—Erosion)



| Manage and the State of the Sta |   |                                    |
|--|---|------------------------------------|
| ZHIL'K   | OV, E.A.; STRATONOVICH, R.L.  |                                    |
|  | Thermodynamics of phase transitions in certain system zav.; fiz. no.6:15-18 '63.                                | s. Izv. vys. ucheb.<br>(MIRA 17:2) |
|  | 1. Moskovskiy gosudarstvennyy universitet imeni Lomon   | OSOYA.                             |
|  |   |                                    |
|  |   |                                    |
|  | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1   |                                    |
|  | 그렇게 통일하면 이 바람들이 나라지 모든 이 모음을 어느   |                                    |
|  |   |                                    |
| 기 등 보기를 위한다.<br>기 등 기가는 기업을  | 수는 하는 이 등 여자는 보이는 것 같아. 하는 경상 하는 것이 되고 있는 것이다. 그 것 같아 그는 것이다.<br>이 경상으로 하는 것을 보고 있는 것을 하는 것이다. 그는 것은 것을 받는 것이다. |                                    |
|  | [연결] 경우리 물로 사용하면 그렇게 되었다. 얼룩하는 점점 보고 하다   |                                    |
|  | . 그런 그리고 말로 살아보고 있다면 하는 아이는 그런 그.   |                                    |
|  |   |                                    |
|  | 사람들은 하고 있다는 학생들은 학생들은 학생들은 하면 그들 살은   |                                    |
|  | 사이트를 통해 발표를 통해 보다는 다른 사람들이 되었다.<br>사용하는 기계를 통해 보고 하는 사람들이 사용하는 것이다.   |                                    |
|  |   |                                    |
|  | 고, 제가 기계 시작하다 하다 하다 하고 있는 것이 되었다. 그 것이 되었다.<br>건강한 1. 이 경기 기계 전 전 보고 있습니다. 그 것이 되었다. 그 것이 되었다.                  |                                    |
|  |   |                                    |
| COSTANTA NATIONALIS  | r sie rower in op 12 maar in de rome in de rome |                                    |









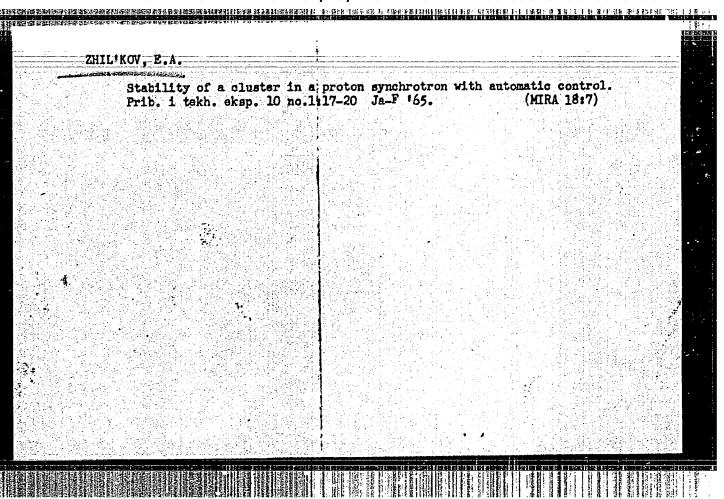


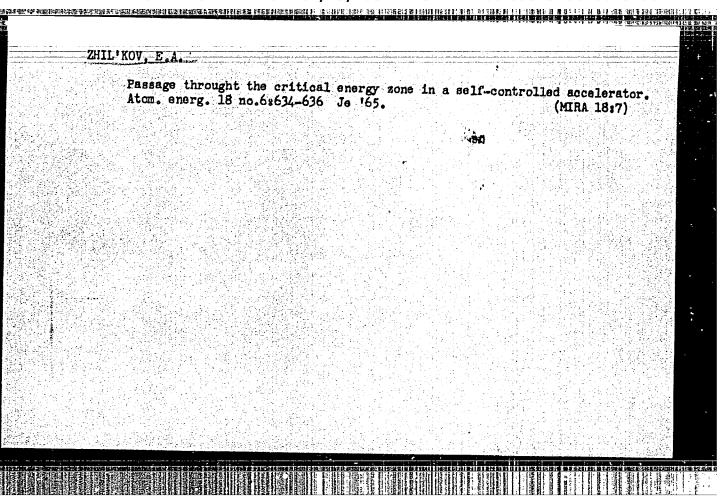
STRAFONOVICH, R.L.; ZHIL'KOV, E.A.

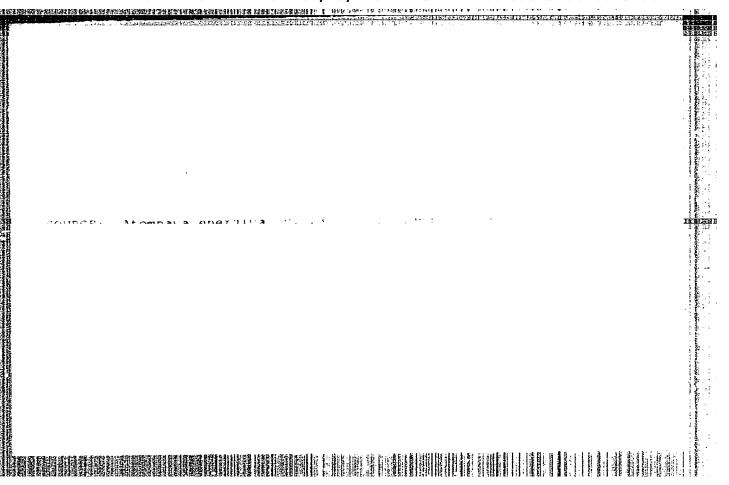
Some relations between thermodynamic functions and its theoretico-informational interpretation. Vest.Mosk. un. Ser. 3: Fiz., astron. (MIRA 18:5)

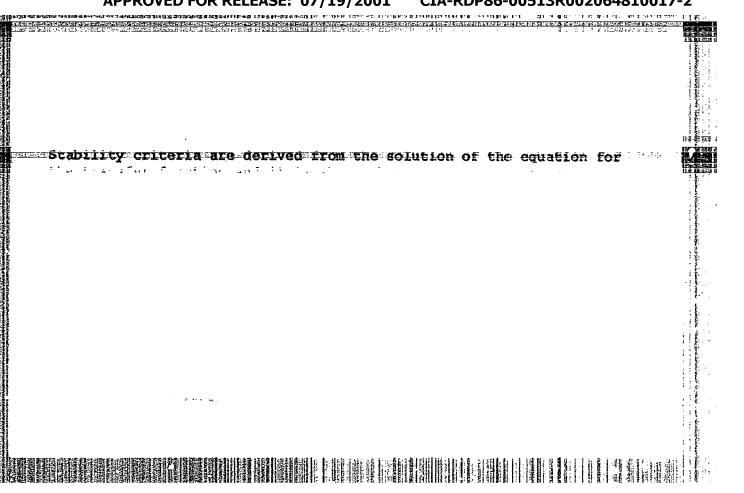
20 no.2144-52 Mr-Ap '65.

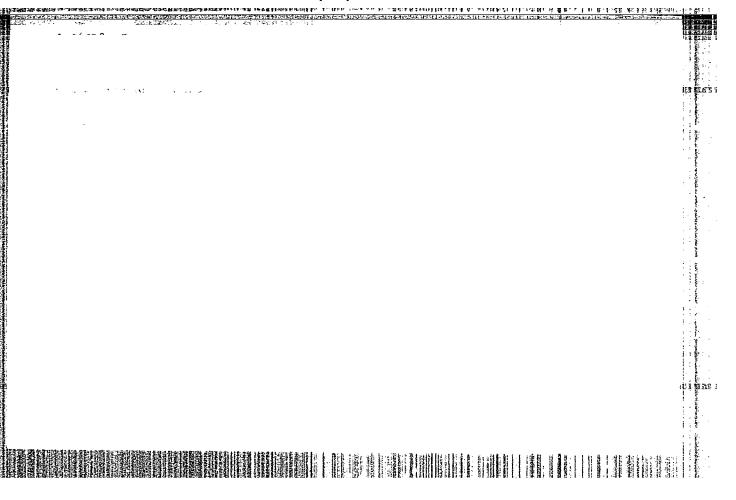
1. Kafedra obshchey fiziki dlya mekhaniko-matematicheskogo fakul'tata Moskovskogo gosudarstvannogo universiteta.

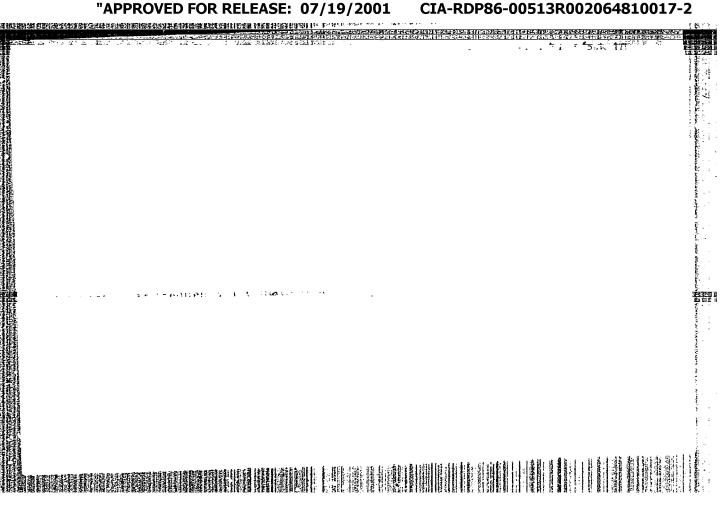


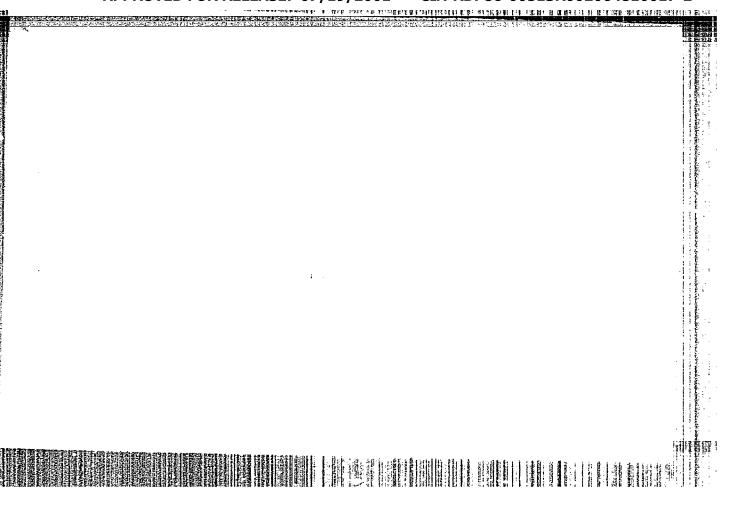


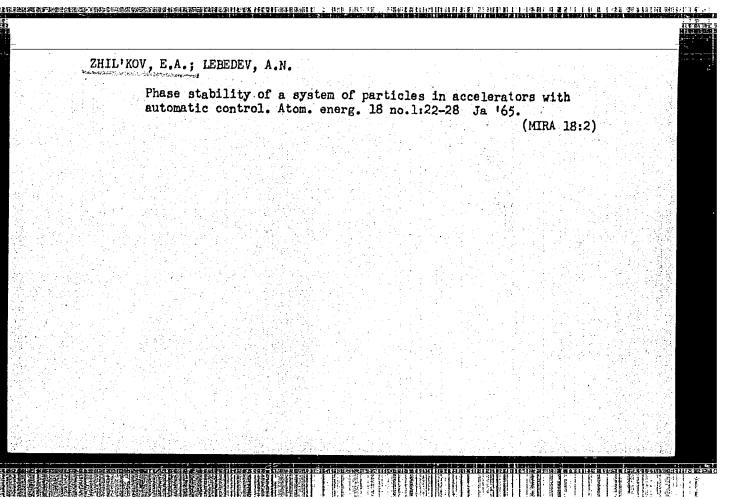


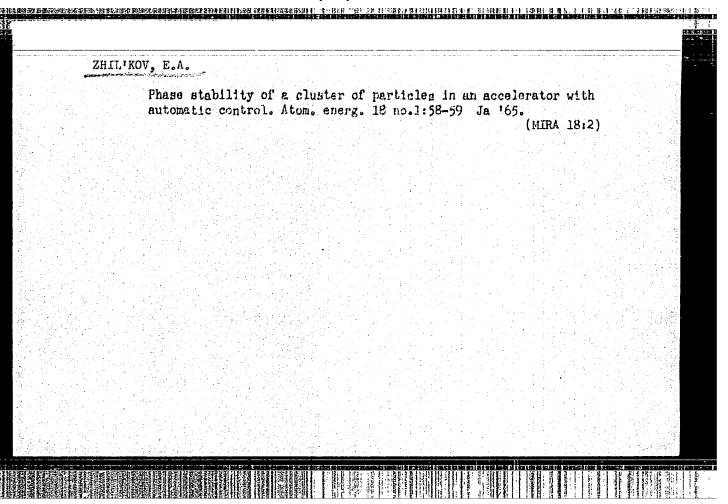








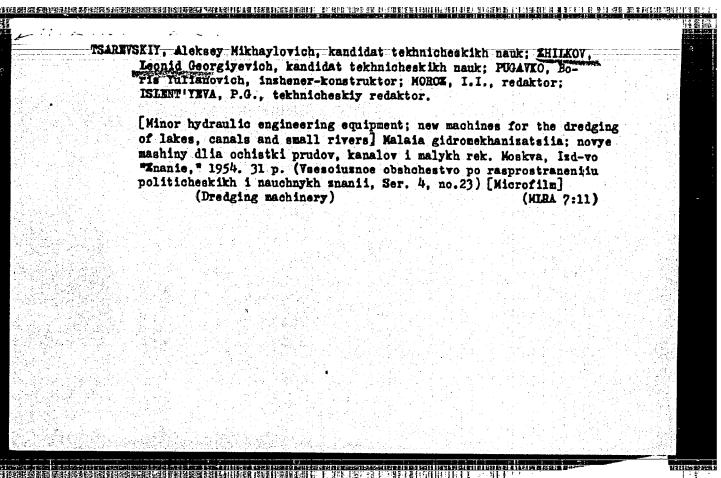




| ydraulic sepa | ration of soils  | is the basis  | for intensive | e construct | ion by hyd | raulic |  |
|---------------|------------------|---------------|---------------|-------------|------------|--------|--|
| ill. Gidr. i  | mel. 4 No. 9,    | 1952.         |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               | of Russian Acces | eione Iilmary | of Congress   |             |            |        |  |
|               | . UNCLASSIFIED.  |               | or oou@1695   |             |            |        |  |
|               |                  |               |               |             |            |        |  |
|               |                  |               |               |             |            |        |  |

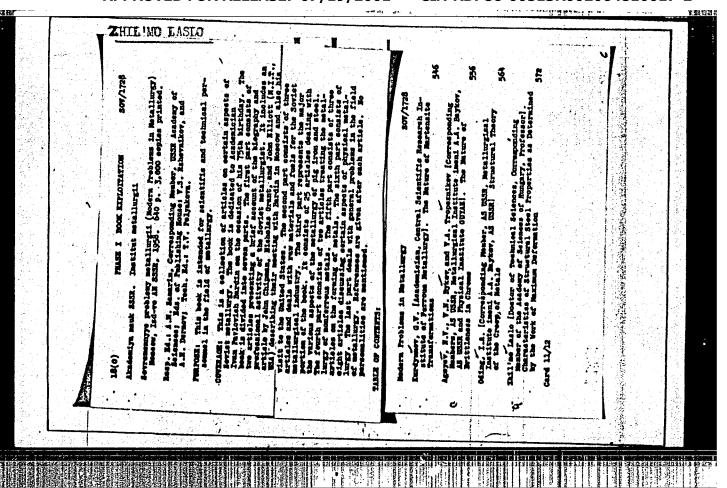
| Suction dred<br>N '62. | ge with hydrovibr  | rators. Gidr.i m | el. 14 no.11:61-6<br>(MIRA 15:12 |  |
|------------------------|--|------------------|----------------------------------|--|
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        | (1995년 - 1995년 - 1995<br>- 1995년 - 1995<br>- 1995년 - 199 |                  |                                  |  |
|                        | 홍류 경기 (1985년 - 1985년 -<br>제외 - 1985년 - 1   |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |
|                        |  |                  |                                  |  |

| ZHILKOV | , Leonid | G., k.t.  | n. inzh. |           |          |          |        |  |
|---------|----------|-----------|----------|-----------|----------|----------|--------|--|
|         |          | orting of |          | ch i meli | or 9 no. | 7:200-20 | 01 164 |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |
|         |          |           |          |           |          |          |        |  |

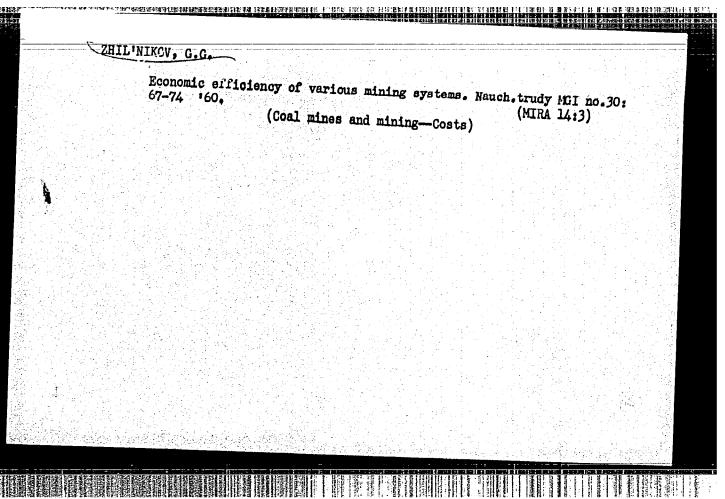


```
41463
                                                                               s/044/62/000/009/062/069
                                                                               A060/A000
                            On the Stability of forced oscillations in nonlinear automatic con-
                           Zhill', I.K., Dekol'n, P.A.
                             Referativnyy zhurnal, Matematika, no. 9, 1962, 46, abstract 9V244 K
                             ("Mezhdunar. federatsiya po avtomat. tor. 1-y Mezhdunar. kongress
           AUTHORS:
                              po avtomat. upr.", Moscow, AN SSSR, 1960, 12 pp, 111.)
           TITLE:
                              In investigating forced oscillations of a system by the method of
               TEXT: harmonic balancing, it is proposed that the following squation be analyzed
             PERIODICAL:
                                                                                                            . (1)
                                            P = AN (A) \left| \frac{1}{N(A)} + L'(J(\omega)) \right|
                where Fis the amplitude of the perturbing input quantity, A is the amplitude of the forced oscillations N(A) is the equivalent amplification factor of the
                 where k is the amplitude of the perturbing input quantity, A is the amplitude the forced oscillations, N(A) is the equivalent amplification factor of the nonlinear element. I (161) is the phase completion characteristic.
               graphically:
                 the forced oscillations, N (A) is the equivalent amplification ractor of the nonlinear element, L (j\omega) is the phase-amplitude characteristic, instead of
                   Card 1/2
              APPROVED FOR RELEASE: 07/19/2001
                                                                      CIA-RDI
       On the stability of forced oscillations in ....
       analyzing the equation
      analyzing the equation in which the product N (A) L((j\omega) is complicated, particularly in the presence
                                                                            8/044/62/000/009/062/069
      of hysteresis (in that case N (A) is complicated, particularly in the presence
     sence of hysteresis in the nonlinear element the unstable forced oscillations
     correspond to the branch of the amplitude characteristic enclosed between the
    points at which their tangent is vertical. In the absence of hysteresis ampli-
    tude, jumps may be observed at a frequency w only in the case that the point
    U(\omega), V(\omega) lies inside the circumscribing family of circles
                     U^2 + V^2 + \frac{N + (N + AN')}{N(N + AN')} U + \frac{1}{N(N + AN)} = 0
  where U and V are the real and imaginary parts of L (J\omega).
 [Abstracter's note: Complete translation]
                                                                                                  (3)
Card 2/2
```

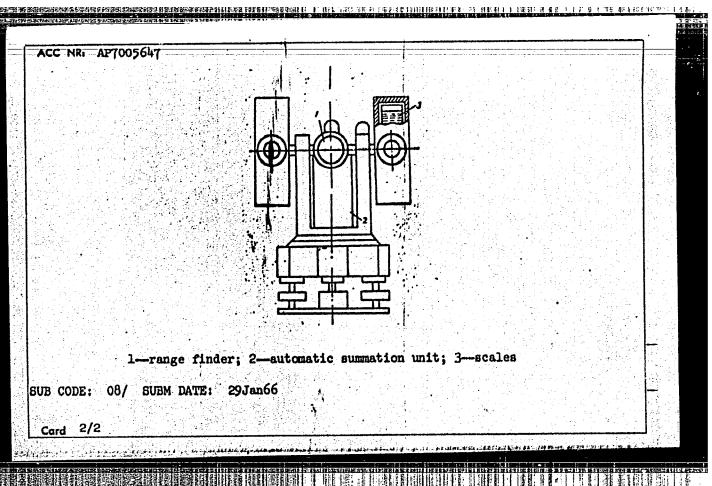
"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810017-2

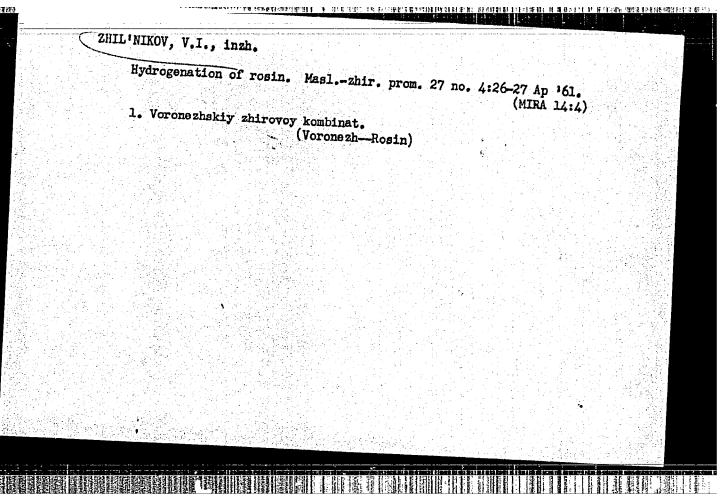


| Temperature coefficient of the dielectric constant of sorbed water. Zhur. fiz. khim. 36 no.11:2406-2412 N'62.  (MIRA 17:5)  1. Voronezhskiy sel'skokhozyaystvennyy institut. |  |
|--|--|
| (MIRA 17:5)  1. Voronezhskiy sel'skokhozyaystvennyy institut.  |  |
|  |  |
|  |  |
|  |  |
|  | or the state of th |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| 그렇게 하다 하는데 그는 지수들이 보는데 그 같아 아무리라는 그 같아 아들리를 받는 것이 가는 다른 바다는 것이 하는데 말   |  |
|  |  |
| 부모님 회사들은 아니지 하늘이 하는 것 같아. 하는데 그 사는 바이를 하는데 나오는데 말했다. 이 때   |  |
| 연방을 시고 되는 것이 그를 게 되는 사람들은 동안 되고 있다. 그리는 사람이 없는 사람이 있을 때 그렇게 되었다.   |  |
| 공화 하는데 보면 있습니다. 이번 이번 보고 있다면 가는 말을 다 하는데 되는 것이라고 하는데 되었다.  |  |
| 그 있는데 보고 그렇게 되는데요? 하는데 하는데 그는 그를 모으면 하는데 되는데 하는데?  |  |
| 불에게 가장, 이렇게 되어 한 눈살이라고 만들어 되어 되었다. 본 등 이번 회의로 하다 그렇다.  |  |
| 일하다 그들은 본 과학의 경우 마음이다는 말을 보면 모든 그리지 않는데 말을 보고하다고 있다.   |  |
| 고양으셨다는데 그 모르고 있는데 그렇게 하는데 그는데 하는데 그런데 하는데 살이 없는데 없었다.  | 化二十二烷 化基金管   |
| 기를 하고 있다. 그는 사람들은 사람들은 사람들은 사람들이 되는 것이 되었다. 그리고 말라고 있다는 것이다.<br>대한 대한 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은  |  |
| [발목: [guint ] 이번 : [[[[[[[[] : [[[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [[] : [  |  |
| 5.6 등하고들 테트를 만든 살아 반면에 시간을 하고 있는 것이 되면 사람이 되었다. 그는 그 사이를 하고 싶은 사이를 하는 것이 하는 것 같아. 그는 것이 없다.  |  |

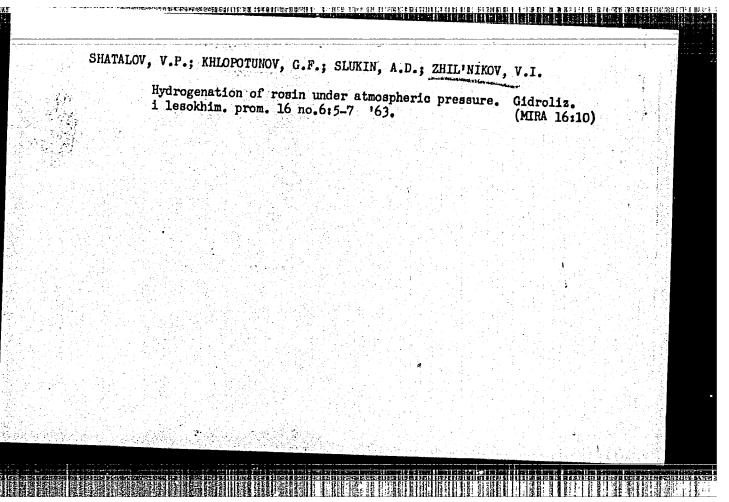


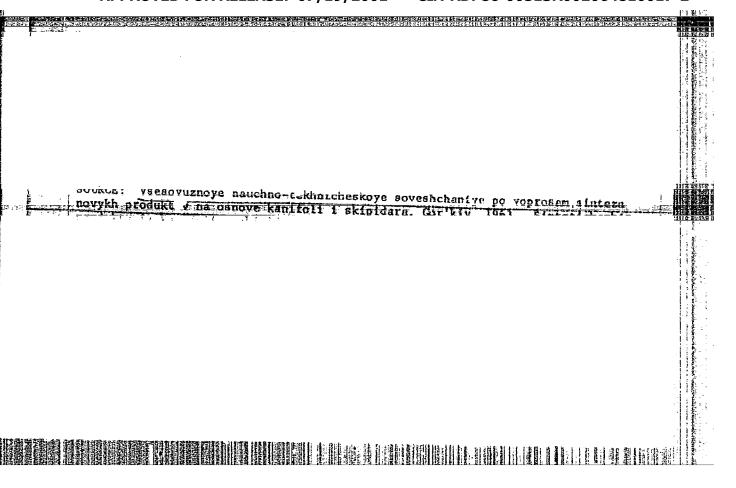
ACC NR. AP7005647 BOURCE CODE: UR/0413/67/000/002/0094/0094 INVENTOR: Kusherbayev, N. I.; Zhil'nikov, V. D.; Gubanov, L. A. ORG: None TITLE: A gravimetric correction meter. Class 42, No. 190597 [announced by the Kazakh Affiliate of the All-Union Scientific Research Institute of Exploratory Geophysics (Kazakhskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta razvedochnoy geofiziki)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 94-95 TOPIC TAGS: gravimeter, error correction ABSTRACT: This Author's Certificate introduces a gravimetric correction meter based on Author's Certificate No. 167047. The instrument is designed for a wider distance measurement range, measurement of corrections during operation with gravitational variometers and gradiometers and also for increased productivity. The unit contains a range finder, a device for automatic summation of the quantities measured and correction scales in gravitational force derivative units. 1/2 Card VDC: 550.831

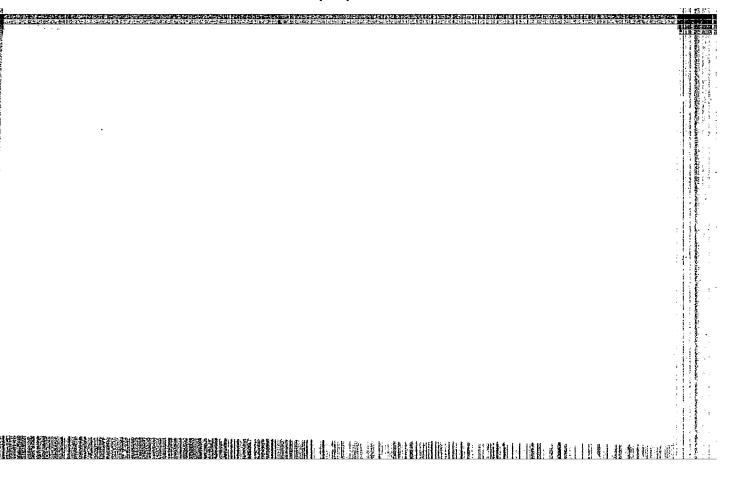




ZHIL'NIKOV. V.I., SLUKIN, A.D., SHATALOV, V.P., KHLOPOTUKOV, G.F. Rosin emulsifier for butadiene-styrene rubbers. Gidroliz. i lesokhim.prom. 16 no.3:21-23 '63. (MIRA 16:5) 1. Vorcne zhskiy zhirkombinat (for Zhil'nikov). 2. TSentral'no-Cherno-zemnyy sovet narodnogo khozyaystva (for Slukin). 3. Vorone zhskiy zaovd sinteticheskogo kauchuka (for Shatalov, Khlopotunov). (Rubber, Synthetic) (Emulsifying agents)

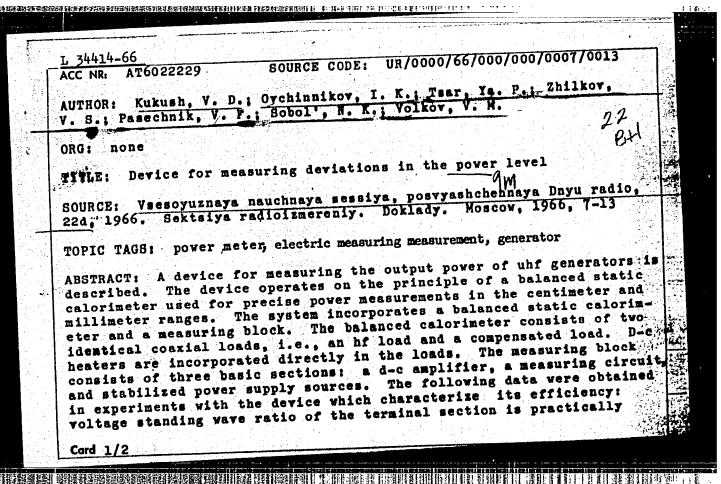


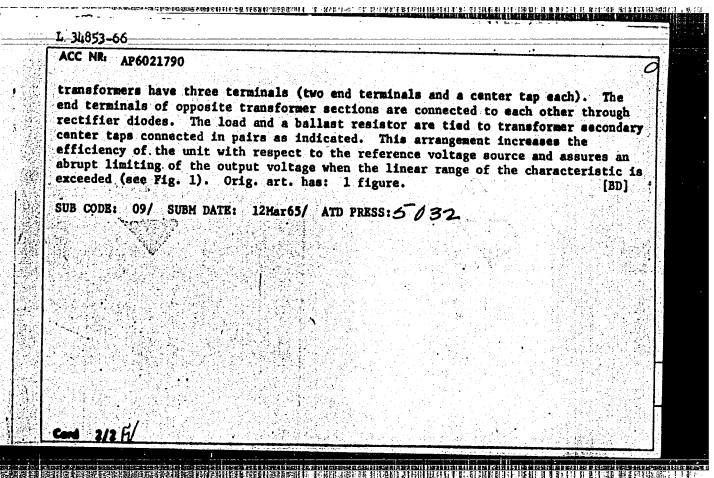




SHATALOV, V.P.; KHLOPOTUNOV, G.F.; SLUKIN, A.D.; ZHIL'NIKOV, V.I.; SOTNIKOV, I.F.

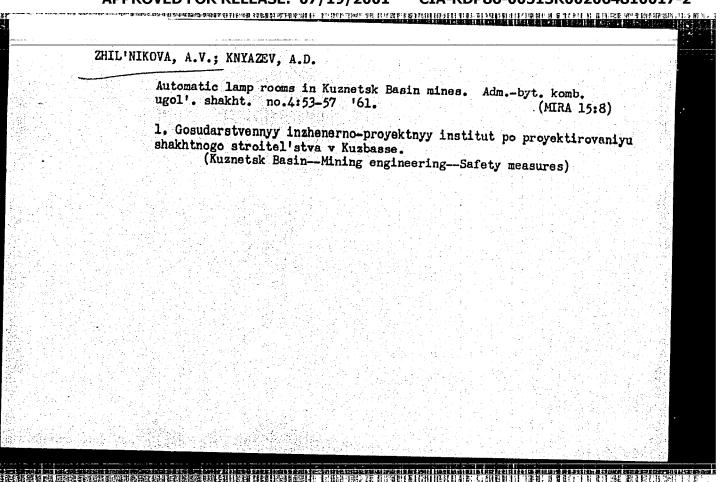
Investigating the process of colophony hydrogenation on a palladium catalyst. Oldroliz. i lesokhim. prom. 17 no.6122-24 '64. (MIRA 17:12)





## 

| ZHIL'NIKOVA, A., vagonovozbataya; ANASHKINA, Ye.  |
|---|
| Comments by leaders of the competition for titles of brigades and shock workers of communist labor. Zhilkom. khoz. 10 no.7:3 '60.   |
| (MIRA 13:10)  1. Upravleniye tramvaynogo khozyaystva g. Stalinska Kemerovskoy oblasti (for Zhil'nikova). 2. Master Fabriki-prachechnoy No.4 Kirovskogo rayona g. Moskvyy (for Anashkina). |
| (StaliuskStreet railwaysEmployees) (MoscowLaundry industry)   |
|   |
|   |
|   |
|   |
|   |
|   |



PHASE I BOOK EXPLOITATION

BOV/1585

:14(8)

Spravochnik po okhrane truda i tekhnike bezopasnosti (Handbook on Industrial Safety and Safety Engineering) Moscov, Metallurgizdat, 1958. 470 p. 12,000 copies printed.

Compilers: P. I. Raylo and M. Ye. Zhilo; Ed. of Publishing House: A. I. Brushteyn; Tech. Ed .: L. V. Dobuzhinskaya.

PURPOSE: The handbook is intended for those individuals in national economic workers safety. councils and industrial establishments responsible for may also serve as a safety engineering manual for engineering and technical personnel in ferrous metallurgy and fir workers of planning organizations.

COVERAGE: This handbook is an enlarged edition of the volume published by Metallurgizdat in 1948. It contains the following material dealing with the improvement of health conditions at work: 1) instruction on the conduct of compulsory preliminary and periodical medical examinations; 2) sanitation standards when planning industrial establishments (N101-54), with changes introduced as of Jan 1, 1958; 3) sanitation regulations governing the transport, storage, accounting, and work with radioactive substances, approved on

Card 1/17

| Handbook on Industrial (Cont.)  April 14, 1957. The handbook contains decrees, directives, instruction other data on the industrial safety of workers and safety engineering in   |         | 4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 |
|---|---------|--|
| force as of August 1, 1958. There are no references, and no personalitic mentioned.  TABLE OF CONTENTS:   | es are  |  |
| Foreword  | 3       |  |
| Ch. I. General Aspects  Excerpts from the Resolutions of the Plenum of the Central Committee of the Communist Party of the Soviet Union, adopted on December 17, 195  Transition to a shorter workday and increased and regulated wages | 7 5     |  |
| for workers, supervisors, and engineering and technical personnel in<br>the mining, metallurgical, and coking industries<br>Industrial safety (from the Code of Labor Laws of the RSFSR)  | 6<br>6  |  |
| and employees of state, cooperative, and public establishments and enterprises  Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry           | 8<br>10 |  |
| of Ferrous Metallurgy of the USSR<br>Card 2/17  | 13      |  |
|   |         |  |
|   | 1 1     |  |

| Hardbook on Industrial (Cont.)  Instructions on the organization of hazard-preventive operations for gas rescue stations in establishments of the Ministry of Ferrous Metallurgy of the USSR  Instructions on the sequence of organization of volunteer gas rescue brigades (DGSD) in establishments of the Ministry of Ferrous Metallurgy of the USSR   | 21         |                      |
|--|------------|----------------------|
| Metallurgy of the USSR Instructions on the sequence of organization of volunteer gas rescue brigades (DGSD) in establishments of the Ministry of Ferrous   | 21         |                      |
| Metallurgy of the USSR Instructions on the sequence of organization of volunteer gas rescue brigades (DGSD) in establishments of the Ministry of Ferrous   | )<br>(a)   |                      |
| Instructions on the sequence of organization of volunteer gas rescue brigades (DGSD) in establishments of the Ministry of Formers  | <b>2</b> 1 |                      |
| TOWNS (DOWN) IN COCCULTBUMBITS OF The Minighton of Passesses   |            |                      |
| 1 CD COULD AND A THE CD COULD DE COULD THE MINISTER OF PARTIES   |            |                      |
| NO CALLULE VIDE TO THE INCOME.   |            |                      |
| Typical remiletions on the   | 26         | •                    |
| Typical regulations on the pyrotechnical service in establishments of<br>the Ministry of Ferrous Metallurgy of the USSR  |            |                      |
| Regulations pertaining to technical ingrestors of the gamesta  | 29         |                      |
| ontone (approved by the Presiding of the All-Maton Contact   |            | 1941<br>34           |
| TOURCE OF FLAGE ONTONE ON TAMIANA 12, 1008)  | <b>33</b>  |                      |
| Regulations pertaining to the Commission on Industrial Safety of the   |            |                      |
| TOTAL STATE OF THE PROPERTY OF |            |                      |
| of the All-Union Central Council of Trade Unions on February 8, 1951) Regulations pertaining to public inspectors of industrial safety   | 40         |                      |
| (approved by the Presidium of the All-Union Central Council of Trade   |            |                      |
|  | 1.4        |                      |
| Regulations pertaining to the All Hunton State Control   | 42         |                      |
| (approved by the Ministry of Health of the USSR on December 14, 1949)  | LL.        |                      |
| Card 3/17  |            |                      |
| 물병 (14) 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |            |                      |
| 마음 사용 보다는 경우를 가는 것을 받는 것을 보고 있는 것을 받는 것이 되었다. 그는 것이 없는 것이 되었다.<br>사용 사용 전략 사용 기업 기업 기업 등록 기업   |            |                      |
| 사람이 이용한 사람이 되었다. 이 휴대 발표가 되고 있다면 하는 사이트 전에 가장 되었다. 그 모르는 아니라 이 이 모든 이 이 이 모든 것이 되었다.<br>1985년 전략   |            |                      |
|  |            | 9 :<br>9 : 1<br>12 : |
| tver vert en recent uner tree tor cultes para management feneralisment per mentra d'entre d'une a imic des me  |            |                      |

| Handbook on Industrial (Cont.)   |           |     |
|--|-----------|-----|
| Ch. II. Responsibility   |           |     |
| and Standards of Safety Engineering and Industrial Hygiene the RSFSR)  |           |     |
| Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the state of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the State of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the State of the Responsibility of employers for crimes (from the Criminal Code of Measures taken in the State of the Responsibility of the Responsibil | ms        |     |
| Meanward (from the Criminal Code of  | 49        |     |
| Measures taken in the struggle against violation of labor legislation up to 500 rubles by Central Constitution of the control  | 49        |     |
| up to 500 mills technical inspectors having the  | n 50      |     |
| From the days a suppose fine   | - /·      |     |
| Court amondant and Astronomy   | 50        |     |
| Plenum of the Supreme Court of the USSR of June 10, 1943)  Statute of limitation (Article 44 of the Civil Code. 2013)  | 51        |     |
| Statute of limitation (Article 1) the USSR of June 10, 10/3)   |           |     |
| Statute of limitation (Article 44 of the Civil Code of the RSFSR)  1. III. Appropriations for the  | 52        |     |
| Conditions  Approval of the continuous   | 56        | · · |
| Approval of the  | 무료생용      |     |
| Approval of the combined nomenclature of measures on protection of (Industrial and Financial product as special section of the product of the |           |     |
| labor, subject to be included in a special section of the Promfinplan Nomenclature of measures on protection of  |           |     |
| Nomenclature of measures on individual   |           |     |
| Nomenclature of measures on industrial safety in mining establishments of the Ministry of Metallurgical Industry   | 58        |     |
| d 4/17   | 68        |     |
| 보는 경기 기업을 보고 있다면 하는 것이 되었다. 그는 사람들은 보고 있는 것이 되었다. 그는 것이 되었다.<br>보는 경기 기업을 보고 있다면 하는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다.   | •         |     |
| <u>본 경험 상태 경찰을 되었다. 하는 사람들은 사람들은 이 이 이 사람들은 이 이 기를 받는다.</u>  |           |     |
| : 사용하는 사용하는 경우를 보고 있을 때문에 가장하는 것이 되었다. 그는 것이 되었다는 것이 되었다.<br>생물은 회사에서 있다면 함께 보고 있는 사용하는 사용하는 것이 되었다.   |           |     |
| 생물을 보는 것을 보는 것이 되었다. 그는 것이 되었다면 하는 것이 되었다면 하는 것이 되었다. 그는 것이 되었다는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다. 그는 것<br>   |           |     |
|  | Parity 18 |     |

| · · · · · · · · · · · · · · · · · · ·  | HS(-102-114-114) | : [47 FEE 128] |
|--|------------------|----------------|
| The Control of the Co |                  |                |
| Handbook on Industrial (Cont.)   |                  |                |
| *!   |                  |                |
| on the Soy/1585  |                  |                |
| by Team and Dristion of funds no. 9-7 for accounts an  |                  |                |
| Statistical accounting. Form No. 9-T for accounts of establishments by TsSU SSSR on October 2, 1957)   |                  |                |
| on the appropriation of funds for industrial safety measures (approving funds for industrial safety measures (approving funds for industrial safety measures).  Ch. IV. Recording and  | eđ               |                |
|  |                  |                |
| Ch. IV. Recorded Description of  | <b>.</b>         |                |
| 是是是我们的,我们们是是是是一个一个,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个  | 75               |                |
| Regulations on meaning   |                  |                |
| Ch. IV. Recording and Accounting for Accidents and Occupational Disease  Regulations on recording and accounting for  Production   |                  |                |
| Regulations on recording and accounting for accidents related to ing, and accounts   | 76               |                |
| Instructions on the sequence of notification, investigation, recording, and accounting of emergencies and accidents related to in establishments controlled by the Gosgortekhnadzor of the INSP  | مه ا             |                |
| in establishments controlled by the Gosgortekhnadzor of the USSR  Regulations on the notification and recording of occupations.  | 76               |                |
| including on the notification the Gosgortekhnadzon and to production   |                  |                |
| and the second s | 85               |                |
| Un. V.   |                  |                |
| ALBT OP A  | 102              |                |
|  |                  |                |
| medical examination prior to he subject to a   |                  |                |
| the Ministry of Health chereafter (Supplement No.  |                  |                |
| medical examination prior to hiring and to a periodic the Ministry of Health of the USSR, dated September 7, 1957)   |                  |                |
|  | 115              |                |
|  | <del>س</del> ے   |                |
|  |                  |                |
|  |                  | 4<br>1.3.      |
|  |                  |                |
|  |                  |                |
|  |                  |                |

## Handbook on Industrial (Cont.) Instructions for the conduct of preliminary and periodic medical examinations of workers (supplement No. 2 to the decree of the Ministry of Health of the USSR dated, September 7, 1957) List of specialized personnel participating in the periodic medical examinations, X-rays, and laboratory tests (Supplement No. 1 to the decree of the Ministry of Health of the USSR, dated September 7, 1957) List of medical disorders preventing hiring in trades where workers 155 are subject to periodic medical examinations (Supplement No. 2 to the instructions of the Ministry of Realth of the USSR September 7, 125 Medical disorders preventing workers from being hired as stokers (approved by the Ministry of Health of the USSR on May 26, 1951) Medical disorders preventing workers from being hired as operators to service pressure vessels (approved by the Ministry of Health of 131 145 Ch. VI. Shorter Workday, Additional Leave, Special Clothing, Special Approval of the list of professions with hazardous working conditions, 147 for which a six-hour workday has been established (Decree of the Council of the People's Commissars of July 1, 1940) Card 6/17 149

# Handbook PD FOR BELEASE; 07/19/2001

## CIA-RDP86-00513R0020648

| APPROVED FOR BELLEVILLE APPROVED TO THE REPROPERTY OF THE PROPERTY OF THE PROP | 004010 |
|--|--------|
| List of professions with here. SOV/1585  |        |
| the Council of has been established for conditions   |        |
| six-hour workday has been established (Supplement to the Decree of Additions to the list of professions with hazardous working conditions, for which a Additions to the list of professions with hazardous working workday  Excerpts from  |        |
| Workday Wilch subsequent degrees hazardous working   | 150    |
| Connect Tules on many  |        |
| ADDIES - TOULDED DAME TO TWEELINGS 1   | 155    |
| List of professions in head  | 156    |
| the All-Union Central Company to the Decree of hazardous   | 157    |
| of the People's Commissar of Ferrous Metallurger and 2 to the Decree   | 159    |
| Card 7/17  |        |
| 고 회사를 보는 것 같아 다른 사람들은 사용을 받는 것 같아 없는 것 같아.   | 170    |

| Handbook on Industrial (Cont.)   | 1 <i>0</i> 0e     |             |
|--|-------------------|-------------|
| Industry entities of the Marketing enterprises of the Marketine  | <del>-</del> 2007 | artí.<br>Ve |
| List of jobs in coking enterprises of the Ministry of Metal:  On the svailability of soap on washstands in enterprises  Ch. VII. Labor Protection for the second soap of the Ministry of Metal:  | lurgical          |             |
| Ch. VII. Labor passes in enterprises   | 505               |             |
| APLICIA 700  | 204               |             |
| hazardon against employing on Labor in the REFER   |                   |             |
| Prohibition against employing women in particularly hard and List of particularly hard and to your particularly hard and the particularly hard | 205               |             |
| TO THE PARTY OF TH |                   |             |
| List of particularly hard and hazardous work and trades prohi<br>to women  Maximum loads to be lifted and moved by adult women  mining industry and  | bited 205         |             |
| mining the against employing the by adult women  | 206               |             |
| List of name in the construction and work in   | be 207            |             |
| List of positions associated with underground work in the exceptions to the rule and may be filled by women of age   | res 208           |             |
| Maximum loss than 10   | years 209         |             |
| Leave and work conditions for youths  Establishment of a six-home.   | 210               |             |
| of age 101 a six-hour workden  | 515               |             |
| Establishment of a six-hour workday for youths from 16 to 18 yeard 9/17  | ars 214           |             |
| kg (2.1) : [12] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14] - [14]  | 21).              |             |
|  |                   |             |
|  |                   |             |

| ANS .                       | 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 計 医性原性 建铁色银色铁      | 种殖用组制组                                  |
|-----------------------------|---|--------------------|---|
|                             |   | e .                |   |
|                             |   |                    |   |
|                             | Handbook on Industrial (Cont.)  |                    |   |
|                             |   |                    |   |
| 45.4                        | Ch. VIII. Industrial Sanitation   |                    |   |
|                             | Sanitation norms in planning industrial establishments (approved on Construction of the Council of Ministers and Industrial establishments) |                    |   |
|                             | by the State Committee of the Council of Ministers of the USSR  |                    |   |
|                             |   |                    |   |
|                             | introduced on January 1, 1958). Reissued with changes   |                    |   |
|                             | I. Field of application II. General requirements  | 215                |   |
|                             | *** TATON COUNTY  | 215                |   |
|                             | III. Water supply and sever system  IV. Requirement for   | 215                |   |
|                             | IV. Requirement for production of buildings and installations V. Requirements for auxiliary buildings of industrial                         | 219                | 100                                     |
|                             |   | 222                |   |
|                             | Sanitation classification of production processes and protective Sanitation releases.  1)   |                    |   |
|                             | zones (Supplement No. 1) production processes and protection  | 236                |   |
|                             | Sanitation rules for the drainage of waste water into publicly used Maximum permissible account.  |                    |   |
|                             | reservoirs (Supplement No. 2) waste water into publicly used  | 252                |   |
|                             | Maximum permissible concentration of positions gases, vapors, and (Supplement No. 3)  | 263                | 44.50<br>14.50                          |
|                             | (Summer of the working zone of the working zone of  | 205                |   |
|                             | dusts in the air of the working zone of processing buildings  |                    |   |
|                             |   | 265                |   |
|                             | Maximum permissible concentration of nontoxic dusts in the air of the working zone of processing buildings (Supplement No. 4)               |                    |   |
|                             | Card 10/17  | 267                |   |
|                             | 불명하는 물을 하는 그 그들을 걸리면 하는 하는 그 그 그 그는 말을 하는 것이 모든 말을  |                    |   |
|                             | ### 10 1 ### 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |                    |   |
|                             |   |                    |   |
|                             |   |                    | 1 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 |
|                             |   |                    | \$3613 .<br>19 11 .                     |
|                             | esantanan santan antan santan ilinea tred husa kan ban in antan antan antan antan in his ilah kala ilin kala i                              | u i chaim maistres | SAMINE                                  |
| HA.<br>Tale exercise at his | 34. And   |                    | B - 111   1                             |

| Handbook on Industrial (Cont.)   | 이 글이 가는 그렇게 되는 말이 되었다. |      |
|--|------------------------|------|
|  | 807/1585               |      |
| Standards for meteorological conditions applicable buildings (Supplement No. 5)  |                        |      |
| buildings (Supplement No. 5)   | to processing          |      |
| Calculated indoor temperatures and frequency or vol  | 267                    |      |
| in public facility more and and frequency or vol   | ume of ventilation     |      |
| (Supplement No. 6)   | establishments         |      |
| Composition of muhica engage   | 270                    |      |
| aspects of production processes (Supplement No. 7)   | he sanitary            |      |
|  | 271                    | 1.4  |
| Requirements for the soundproofing of partitions (Standards for natural lighting (Supplement No. 9)  | upplement No. 8) 274   |      |
| Standards for artificial 14 att.   | 277                    |      |
| Composition and footage of dining areas (Supplement Indices of the maximum permission)   | <u>v</u> 283           |      |
| Indices of the maximum permissible concentration of substances for a sanitary evaluation of  | no. 12)                | 1    |
| substances for a sanitary evaluation of air purity (approved by the Deputy Chief State Senitation Y  | In company             |      |
| (approved by the Deputy Chief State Sanitation Inspon July 16, 1956)   | ector of the man       |      |
| on July 16, 1956)  | ctor or the USBR       | ď.   |
| Sanitary rules for installing and equipping of ventin exhaust pipes for a natural ventilation of event   | lation openings 296    | ÷.   |
| in exhaust pipes for a natural ventilation of excess processing buildings (approved by the Chief Chee  | sively heated          | 11.  |
| processing buildings (approved by the Chief State Se   | nitation               |      |
| Inspector of the USSR on March 1, 1955)  | 297                    | <br> |
| ard 11/17  |                        |      |
| 그렇게 된 아이를 다른 하시다. 그는 말이 되는 것이 없는 것이 없다.  |                        |      |
| 병과 경기를 되었는 사람들 말이 어디지 않는 그리는 모양이라는 이름  |                        |      |
| 하는 것이 되는 것이 되었다. 그는 그들은 말로 하는 것이 그리고 있다.<br>사용하는 것은 것을 보고 있다. 그는 것을 하는 것은 것을 하는 것은 것이 되었다. 그는 것이 되었다.  | 근대 모든 역사인경기 등로 걸면 중심.  |      |
|  |                        |      |
|  |                        |      |
| in the contract of the contrac |                        | 34   |

| e day   | 一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个   | W 11 : P & 2 are 16 : 1 |         |
|---------|--|-------------------------|---------|
| ESS(A.H |  | E 1 E 7 E5 115          |         |
|         | 선생님은 그 이 보다 가는 사람들이 되었다. 그는 그는 그는 그는 그는 그는 그는 그를 모르는 것이 되었다.   |                         |         |
|         | Handbook on Industrial (Cont.)   |                         |         |
|         | 全国的现在分词 医克里特氏 医克里特氏病 经收益 医克特特氏征 医克特特氏 医二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙  |                         | 334     |
|         | Temporary continued to the second sec |                         |         |
|         | Temporary sanitary standards and rules for the reduction of noise in   |                         |         |
|         | Tebruary 9, 10561  |                         |         |
|         | Dasic concents and committee in the contract of the contract o | 300                     |         |
|         | Methods of measuring noise (Supplement No. 1)  Determining the maximum results of the maxim | 309                     |         |
|         | Determining the maximum permissible and No. 2)   | 311                     |         |
|         | Determining the maximum permissible noise level using a standard   |                         |         |
|         | Checking the conditions of speech clarity under noisy conditions  [Supplement No. 4]   | 312                     |         |
|         | (supplement No. 4)   |                         |         |
|         |  | 314                     |         |
|         | and an efficient planning of industrial establishment areas  |                         |         |
|         | LCVEIR And chamming  |                         |         |
|         | Levels and characteristics of industrial noises (Supplement No. 6)   | 314                     |         |
|         | The tability programmed and a second of vibration on months  | 317                     |         |
|         | AMOUTUUETIANA AM ALA J   | 710                     |         |
|         | areas as well as on individual and sanitary maintenance of working   | 319                     |         |
|         |  |                         |         |
|         | mercury in laboratories (approved by the Chief State Sanitation  Inspection of the USSR on May 8, 1941)  |                         |         |
|         |  | 324                     |         |
|         | Card 12/17   |                         |         |
|         | [발표] [[발발: [발표] [[발표] [발표] [[발표] [[발æ] [[ψæ] [[ψ |                         |         |
|         | 형 하는 사용하다 보고 있는 하는 이용한 사람이 하고 한 경험 주었다. 그는   |                         |         |
|         | 생활 수 있는 시간을 보는 경기를 보고 있다. 전환 등을 보고 있는 것이 되었다.<br>1980년 - 1987년 1일 전 1985년 1일 대한 1987년 1  |                         | 73      |
|         |  |                         |         |
|         |  |                         |         |
|         |  | 11 排 表 15028 B          |         |
| MI.     | 。<br>《大學》(1985年) - 1985年 - 1   | 11 11 11 11 11 11       | j).   { |

| 程度   | # 1 TF 90 FF | 1.45 501: 1.4 \$1.55 |
|--|--------------|----------------------|
|  |              |                      |
|  |              | 40.00                |
|  |              |                      |
| Handbook on Industrial (Cont.)   |              |                      |
| S0V/1585   |              | -                    |
| Sanitation rules on the installation and maintenance of substations  |              |                      |
| with mercury arc rectifiers and premises where mercury instruments are repaired (approved by Chief State Sanitation Inspection and Premises where mercury instruments are December 21, 1021  |              |                      |
| repaired (approved by Chief State Sanitation Inspection of the USSR of Rules for work)   | e            |                      |
| Rules for marks.   | n            |                      |
| Rules for washing special clothing for working with mercury  (Supplement No. 1)  | 331          |                      |
| Method As  |              |                      |
| Method of preparing reagent paper for determining the presence of Instruction of  | 340          |                      |
| mercury vapors (Supplement No. 2)  |              |                      |
|  | 340          |                      |
| neutralizing metallic mercury "deposits" (Supplement No. 3)  |              |                      |
| Sanitation rules when employing industrial gamma ray - flaw detection  (approved by the Chief State Sanitation Inspector of the Total State Sanitation Inspector of the Inspe | 341          |                      |
|  |              |                      |
|  |              |                      |
| controlling, and working with radioactive substances (approved by the  | 342          |                      |
| Chief State Sanitation Inspector of the USSR on January 14, 1957)  |              |                      |
| I. Regularant a Inspector of the USSR on January 16 Joseph   |              |                      |
| I. Requirements for working areas, ventilation, and equipment  | 349          |                      |
| II. Rules when working with radioactive isotopes   | 349          |                      |
| III. Stock control, storage, and transportation of radioactive   | 351          |                      |
| "我们就是一个一样,我们就是一个一样,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个  | 7.5-         |                      |
| 表  | 353          |                      |
| 주민들은 얼마 없는 얼마를 살아 있다. 그리는 얼마를 살아 있다면 그리는 그리는 것이 없다고 있다.  |              |                      |
| #####################################  |              |                      |
|  |              |                      |
|  |              |                      |
|  | beiche werd  | ario magrete         |
|  | 1            |                      |

| Handbook on Industrial (Cont.)  |     |
|---|-----|
| TV Santiali   |     |
| IV. Sanitation requirements for the removal and deactivating of wastes containing redicaction |     |
| V. Measures for individuel and active isotopes  | 357 |
| VI. Sanitation and work instructions and medical examinations                                 | 362 |
| VII. Dosimetric control   | 363 |
| VIII VIII Conclusiona de la                               | 364 |
| Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1)          | 364 |
| Protection against game /c  | 365 |
|   | 373 |
| of radium per millicurie [without taking into account the retarding                           | 377 |
| report forms for obtaining radioactive isotopes, and request and 5, 5a, 6, 7)                 | 378 |
| Provitional sanitation rules for laundries processing special                                 | 379 |
| the State Sanitation Inspector of the USSR on June 6, 1956) and 14/17                         | 382 |
| 그렇게 맞다 있다면 내려면 살아 있는 것이 하는 것이 하는 것이 하는 것이 없다면 하는 것이다.   |     |

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810017-2"

| Handbook on Industrial (Cont.) 80V/1585  |     |  |
|--|-----|--|
| Instructions on processing special clothing and underwear contaminated with radioactive substances (Appendix)  | 1   |  |
| Rules for installing and weighted  | 389 |  |
| spectrum analysis (approved by the Presidium of the Academy of Sciences of the USSR on June 20, 1057)  |     |  |
| Sciences of the USSR on June 29, 1953) Provisional sanitation June 29, 1953)   | 396 |  |
| Provisional sanitation rules for installing, equipping, and maintaining workshops manufacturing coated electrodes and fluxes for electric welding (suproved by the China Research  |     |  |
| for electric welding (approved by the Chief State Sanitation Inspector of the USSR on September 14, 1951)  |     |  |
| of the USSR on September 14, 1951) Sanitation Tyles for state 1951)  | 404 |  |
| Sanitation rules for storing, transport, and use of ethylated gasoline in motor transport (approved by the Chief State Sanitation Inspector of the USSR on September 9, 1955)  |     |  |
| of the USSR on September 9, 1955)  | 412 |  |
| Determination of small quantities of tetraethyl lead in gasoline (Appendix)  | 412 |  |
| Provisional sanitation rules on the  | 420 |  |
| (approved by the Chief State Sanitation Inspector of the USSR on   |     |  |
| Rules for storing liquid shiper.   | 421 |  |
| Rules for storing liquid chlorine by the user industrial establishments (Obligatory Decree of the People's Commissariat of Labor of the USSR on June 24, 1930)   |     |  |
| on June 24, 1930)  | 423 |  |
| Card 15/17   | 7-7 |  |
| 수의 생각한 경우 사람들이 되었다. 이 사용 하고 있는 사람들이 되는 것이 없었다. 그는 그는 그는 그는 그는 것이 되었다. 그는 그는 것이 되었다. 그는 그는 것이 없는 것이 없는 것이 없는 것<br>보험 선생님, 소설이 있는 것이 없는 것이 없다. |     |  |
| 경우 등 사용하는 사용 등 경우 등 경우 등 경우 등 경우 등 경우 등 기계 등 경우 등 등 기계 등   |     |  |

| Handbook on Industrial (Cont.) SOV/1585  |             |   |
|--|-------------|---|
| Sequence in making inside repairs, cleaning, and inspection of   |             |   |
| equipment of chemical industries (Obligatory Decree of the People's Commissariat of Labor of the USSR on February 7, 1933)   |             |   |
| TIVYIBIONAL SANICATION MILES for planning the continued and  | 429         |   |
| THE TWO CHOUDED IUI BUILING RITTONG TOWAR AND AND A COMMISSION OF THE COMMISSION OF  |             |   |
| The state of the s | 430         |   |
| Provisional rules for the sequence of eliminating strong toxic substances which have lost effectiveness and on measures of   |             |   |
| Thurst unal Bill general safaty (someowed has the Deans and  |             |   |
| TO THE PERSON ALL COLLEGE COLD LEGGE COMMISSION OF A TRACTAL TO THE PERSON OF THE PERS |             | - |
| And Apply on Leningly 13. Iddd)  | 440         |   |
| Instructions on counteracting and eliminating strong toxic substances (Supplement No. 1)   |             |   |
| Instructions on neutralizing containers from strong toxic substances (Supplement No. 2)  | रिक्रि      |   |
|  | h.).=       |   |
| Industrial safety measures when working with pitches (Obligatory   | 447         |   |
| THE ACCURACY OF THE PROPERTY O |             |   |
|  |             |   |
| Commissariat of Labor of the USSR on March 21, 1933)   | <b>##</b> 9 |   |
| 보면 가능하는 동안 사용을 가장하는 것을 받는데 하는데 하는데 되었다. 그는데 되었다. 그는데   |             |   |
| Card 16/17   |             |   |
| 가는 사용하는 것이 가장 전통하는 것은 바로 등을 통한 기능을 하는데   |             |   |
|  |             |   |

| 양물의 회장하다 경험 시간 경우 마다를 가고 얼마나 하다면 이 분들은 100 분들이 모르는 그 사람이 모르는 모든  | /1585          |
|--|----------------|
| Instructions on preventive treatment and first aid in case prostration of workers in industrial establishments (appro-All-Union State Sanitary Inspection on July 18, 1942)  Prevention of poisoning of workers performing repair work sewers, drains, and cesspools, and inspecting water supply (Circular of the State Sanitation Inspection of the RSFSR of June 7, 1938) | ved by the 451 |
| Instruction on sanitary measures against suppurative diseases  | 457            |
| skin and subcutaneous tissue contracted in establishments Supplying workers in hot workshops with carbonated salt was (Obligatety Decree of the Secretariat of the All-Union Cent  | 458            |
| Council of Trade Unions of June 11, 1934) Instructions for introducing efficient water drinking habit workshops  | s in hot       |
| Rules for amilorwork during the cold part of the year (Oblig   | atory          |
| December 11, 1929)   | 463            |
| AVAILABLE: Library of Congress   |                |
| JC/mel   |                |
| Card 17/17 7-16-59   |                |
| 됐다고 내 아무슨 얼마 있다면 하나를 살이 하는 사람들이 하는 사람들이 없다.  |                |
|  |                |

SHELEKETIN, Aleksendr Vitel'yevich; KARPUSHINSKIY, Neum Savvich;

ZHILO, M.Ye., red.; ISLRIF'YEVA, P.G., tekhm.red.

[Improvement of working conditions at iron ore agglomeration factories] Oxforovlenie uslovii truda na aglomerateionnych fabrikakh shelesnoi rudy. Moskva, Oos.neuchno-tekhm.isd-vo lit-ry po chernoi i tavetnoi metallurgii, 1960. 117 p.

(Sintering--Hygienic aspects)

(WIRA 13:12)

SHTROMBERG, Yakov Abramovich, kandidat tekhnicheskikh nauk; ZHILO, M.Ye., redaktor; AVRUTSKATA, R.F., redaktor izdatel'stva; MIKHAYLOVA, V.Y., tekhnicheskiy redaktor

[Dustremoval ventilation in rolling mills] Obespylivaiushchaia ventiliatsiis prokatnykh stanov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 71 p.

(MIRA 10:9)

(Factories--Heating and ventilation)

GUZEV, Yefim Matveyevich; DESYATNIK, Yudko Froimovich; ROMANOV, Petr Nikolayevich; KHOROSHILOV, Vasiliy Ivanovich; ZHILO, M.Ye, redaktor; AVRUTSKAYA, R.F., redaktor izdatel'stva; MANSEV, A.I., tekhnicheskiy redaktor

[Safety engineering in the preparation, loading, unloading and reprocessing of ferrous scrap] Tekhnika bezopasnosti pri zagotovke, pogruzke, razgruzke i pererabetke loma chernykh metallov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 103 p. (MIRA 10:9)

(Scrap metal industry--Safety measures)

VOLKOV, Yuriy Mikovayevich; ZHILO, M.Ye., red.; AVRUTSKAYA, P.F., red. izd-va; KARASEV, A.I., tekhn. red.

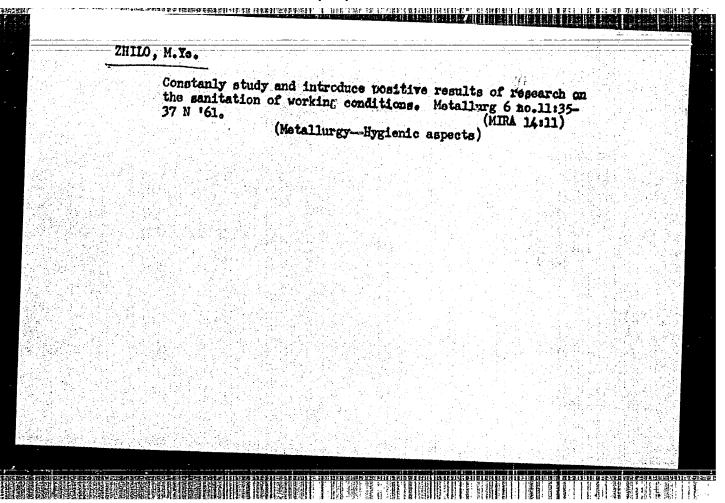
[Safety engineering in wire drawing] Tekhnika besopasnosti pri volochenii provoloki. Moskva, Gos. nauchno-tekhn. isd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958, 86 p. (MIRA 1117)

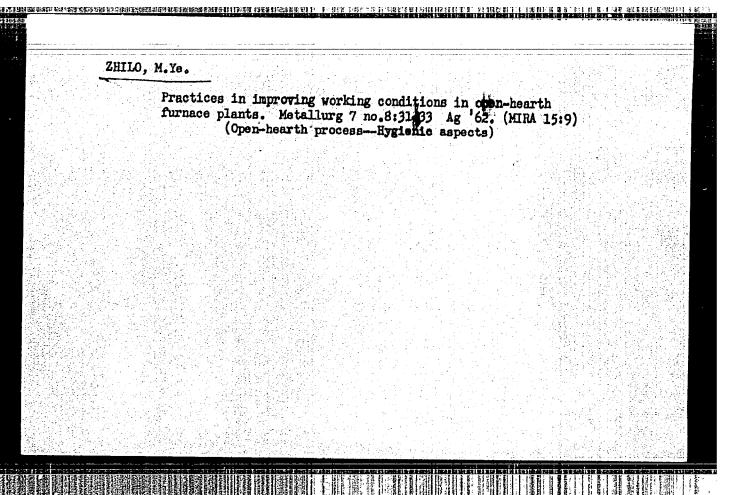
(Wire drawing—Safety measures)

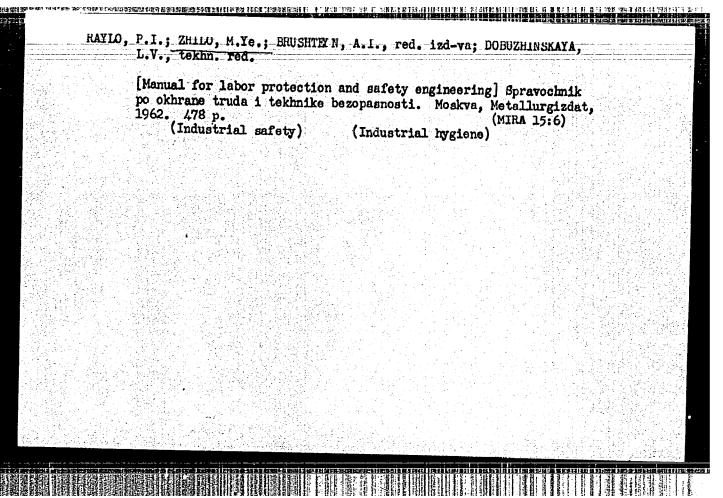
RAYLO, P.I.; ZHILO, M.Yer; BRUSHTEYN, A.I., red.izd-va; DOBUZHINSKAYA,
L.V., tekhn.red.

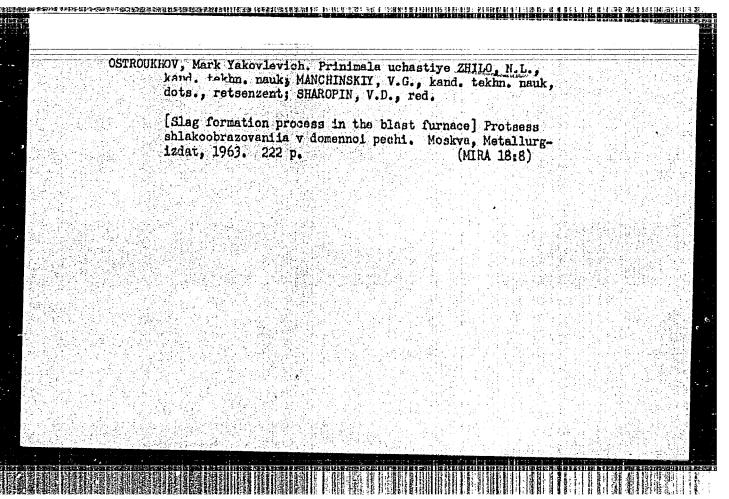
[Handbook on labor protection and safety engineering] Spravochnik
po okhrane truda i tekhnike bezopasnosti [Sost. P.I.Railo, M.E.
Zhilo] Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1958, 470 p. (MRA 12:1)

(Metallurgical plants--Safety measures)







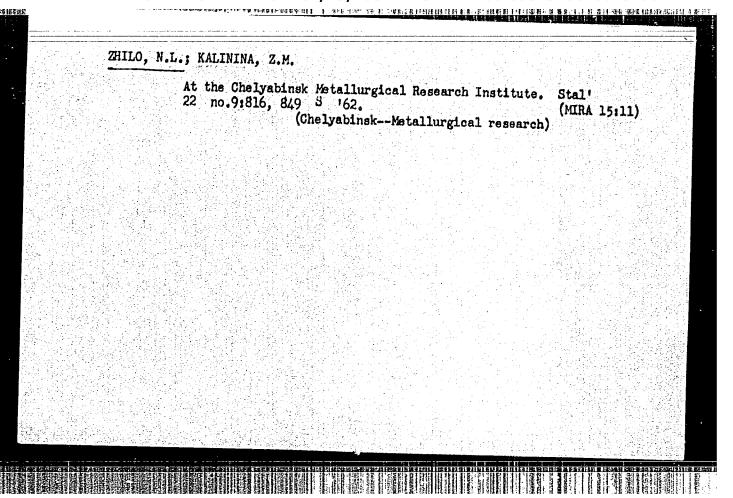


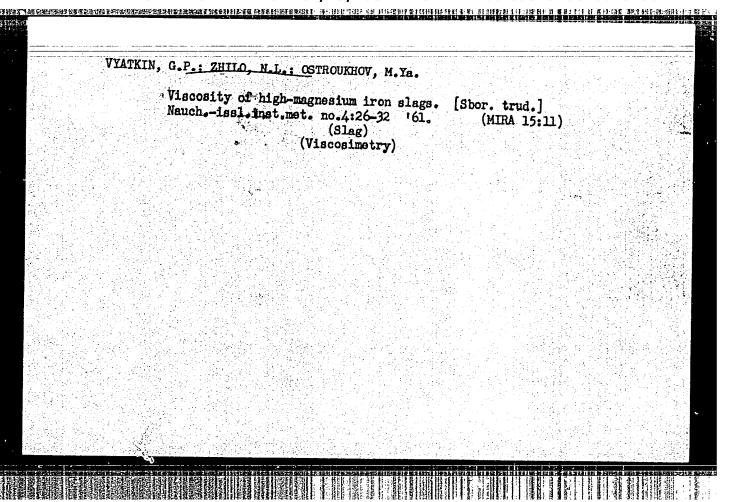
EABARYKIN, N.N.; GALATONOV, A.L.; SAGAYDAK, I.I.; SHPARBER, L.Ya.;
TSVERLING, A.L.; YAKOESON, A.P.; BORTS, Yu.M.; ZHIIO, N.L.;
KOPYRIN, I.A.; OSTROUKHOV, M.Ya.

Experimental smelting with a reduced slag output. Stal' 24
no.12:1069-1075 D'64. (MIRA 18:2)

1. Magnitorskiy metallurgicheskiy kombinat i Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

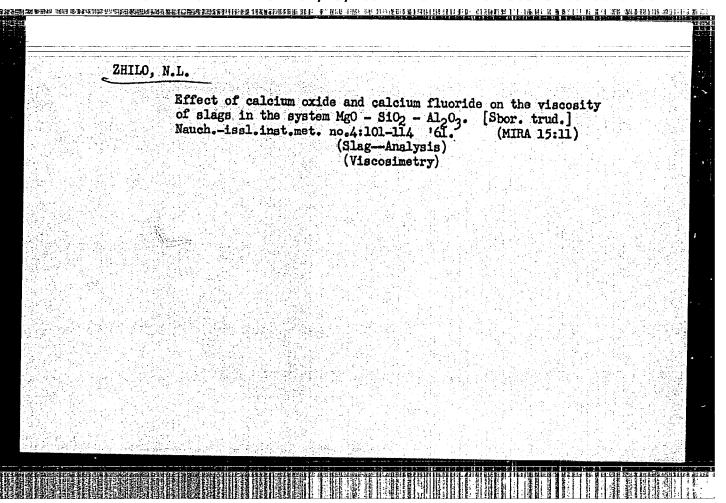
| BOL!  | SHAKOVA, L.I.; ZHILO, N.L.  |   |     |
|---|---|---|-----|
|   | Izv. vys. ucheb. zav.: chern. me  | iscosity of blast furnace slags.  |     |
|   |   | (MIRA 15:6)   |     |
|   | (Slag-Testing)  | dovatel'skiy institut metallurgii.  |     |
|   | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  | (Barium oxide)  |     |
|   | . 그리고 사용 보다 성을 받아 올라고 싶을 수 있다. 그리고 있다. 그 보다<br>19 일 : 19 1일 :   | 가 보통하는 것이 되었다. 그는 사람들은 경기 전환<br>1900년 - 1915년 |     |
|   | 를 보통하고 하시를 위해 등록 등을 받았다.<br>등록 통지는 이 동생들의 등의 기를 가장하는 그 것이다.   |   |     |
|   | 불통하다는 살았다면 물로 살았다고 그리다는   |   |     |
|   | 기계 프로그램 (1912년) 전투 경기 (1912년 - 1912년 -<br>1912년 - 1912년   | 보는 것이 되었다는 것이 되는 것이 되는 것이 되었다.<br>그는 것이 되었다면 하는 것이 되었다는 것이 되었다. 그 것이 되었다.   |     |
|   | 교회에 대한 경험 경험 경험 회장 (1986년 1985년 - 1987년 - 1987<br>전 2020년 - 1987년 - 1987  | 당시 인간 이 그리고 있는데 화목하다 말했다.   |     |
|   | 1일 시간 전에 시간 시간 전체를 받아 있는 것이 되었다. 그 것이 있다.<br>1948년 - 1955년 1일 시간 시간 시간 전체를 받아 있다. 1950년 1   |   |     |
|   |   |   |     |
|   |   | 함께 이 나는데 하는데 이 그 이용 등에 있다였다.  |     |
|   |   |   |     |
|   |   |   |     |
| 다음 (1981년 대왕대 의 경영 4학 대<br>영영 (유명당) 대왕 (1981년 1987년 |   |   |     |
|   |   |   |     |
|   |   | 그는 그들은 그들은 사람은 작은 사람은 화물  | 力提展 |
|   | 왕 중심한 등일 하기 기업에 가는 것으로 가장 생각한 사람들이 가지 않는 것이다.<br>기업에는 기업이 대한 생각을 보는 것들이 반응되는 반응되는 회에  |   |     |
|   |   |   |     |
|   |   |   |     |
|   | A STATE OF |   |     |





SAGAYDAK, I.I. (Chelyabinsk); ZHILO, N.L. (Chelyabinsk); BOL'SHAKOVA, L.I. (Chelyabinsk)

Viscosity of the blast furnace slags from the Magnitogorsk Metallurgical Combine. Izv. AM SSSR. Otd. tekh. nauk. Met. 1 gor. delo no.3:50-57 My-Je '63. (MIRA 16:7) (Magnitogorsk—Blast furnaces) (Slag) (Viscosimetry)



VYATKIN, G.P.; ZHILO, N.L.; OSTROUKHOV, M.Ya.

Viscosity of high-magnesium blast furnace slags with
10 to 20% ferrous oxide. Isv. vys. ucheb. sav.; chern.
met. 5 no.10:25-30 '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut metallurgii.
(Slag--Testing) (Viscosimetry)

GUL'TYAY, I.I. (Moskva); ZHILO, N.L. (Moskva); RUDNEVA, A.V. (Moskva);

SOKOLOV, C.A. (Moskva); TSTLEV, L.M. (Moskva)

Refect of potassium oxide on the visceity of molten calcium-alumina-silicon systems corresponding to the composition of primary blast furnace slags. Izv. AN SSSR. Otd. tekh. nauk Het. i topl. no.2:
3-7 Kr-Ap '59.

(Potassium oxides) (Viscosity) (Slag)

(Fotassium oxides) (Viscosity) (Slag)

PHASE I BOOK EXPLOITATION

SOV/4558 SOV/16-8-5

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Physicochemical Research Methods in Metallurgy and Metal Science) Moscow, Izd-vo AN SSSR, 1960. 251 p. (Series: Its: Trudy, vyp. 5) Errata slip inserted. 2,800 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova.

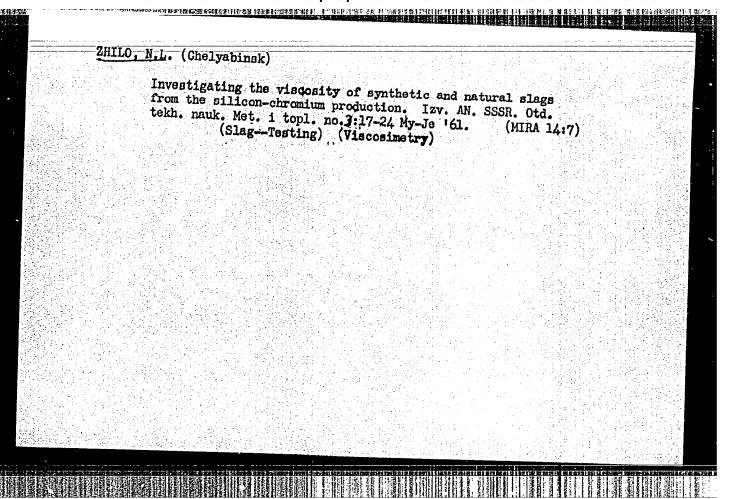
Resp. Ed.: T.P. Bardin, Academician (Deceased); Ed. of Publishing House: V.A. Klimov; Tech. Ed.: T.P. Polenova.

PURPOSE: This collection of articles is intended for metallurgists and metal researchers.

COVERAGE: The collection contains articles on metallurgy, metal science, and physicochemical research methods. Separate articles discuss the structure and properties of some metals and alloys. The effect of cold treatment and inclusions on the properties of alloys are analyzed, and instruments and

Gard 1/7

| Physicochemical Research Methods (Commethods used   |  |
|---|--|
| Research Methoda (a   | 요하는 말이 어디는 이번 이번 나는 이 어디는 살아 얼마나요?   |
| methoda   |  |
| are deady in investigation  | SOV/4558   |
| of the and No personal the  | Processes occurred to the processes occurred |
| arcicles,   | ont.)  SOV/4558  processes occurring in metals and alloys are mentioned. References accompany most   |
| TABLE OF CONTENES:  | References and alloys  |
| 하는 사용된 이 본 시간에 되었다면 보았다면 생각을 하는 생각 보는 사람들이 가장 없는 사람이 되었다.   | DORT   |
| - 144 - 15 - 15 - 15 - 15 - 15 - 15 - 15  |  |
| Zhilo, N.J., and L.M. Tsylev. Metallu<br>Magnetic Anomaly, the Krivorozhskiy, as<br>Levenets, N.P., and A.M. Samarin. Use<br>Phosphorous Pig Iron                           | 아는 보고 보이 이 하는데 그렇게 되는 그 그 모두는 것 같아 되는데 되었다.  |
| anomaly, the Krivoport  | rgical pm-   |
| Levenets w n  | nd the Makes of the Kirms  |
| Phosphorone ne and A.M. Samond  | Agglomenate  |
| 16 Iron Use   | of Oxygen in Canal   |
| Levenets, N.P., and A.M. Samarin. Use Phosphorous Pig Iron  Kulikov, I.S., and A.M. Samarin. Study of Magnesium Oxide and Calcium Oxide  Foryst, Yu. T., V.A. Mchedlishuild | Toden in Converter Raginal   |
| of Magnesium O and A.M. Sament  | - "C11ming of  |
| TALLE AND ALL TOURS   |  |
| Foryst, Yu m  | Dullur Absorption Canal  |
| Foryst, Yu. T., V.A. Mchedlishvili, and by a Complex Alloy of Manganese, Silicon Composition of Oxide Inclusions in Steel Khlebnikov, A. Ye. On the Problem                 | The state of the s |
| Composition of Manganege Giand  | A.M. Sangara   |
| of Oxide Inclusions, Silicon  | , and Alumina Effect of Decrease   |
| Khlebnikov A In Steel   | on the Content   |
| Tests for Evaluate On the Problem   | and a figure of the second and a figure and the second and the sec |
| of Uti  | lizing the n   |
| Card e/7  | elting and Mesults of Mechani  |
| 사람들 중에 되는 것이 아니라 아니는 사람들이 얼마나 없다.   | and Casting of Steel   |
|   | Les 1910 (1914)  |
|   | 되어 그렇게 하다 하는 사람들은 사이를 본으로 바다리었다며   |
|   |  |
|   |  |
|   |  |
|   | PARTO DESCRIPTION PARTO DE LA CONTROL DE LA  |
|   |  |

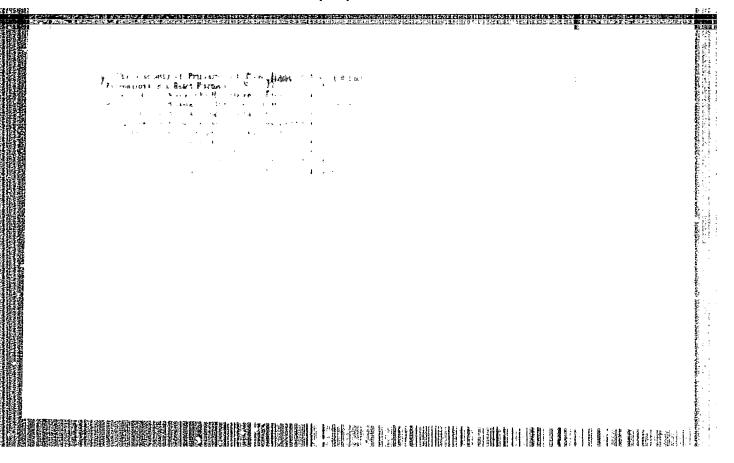


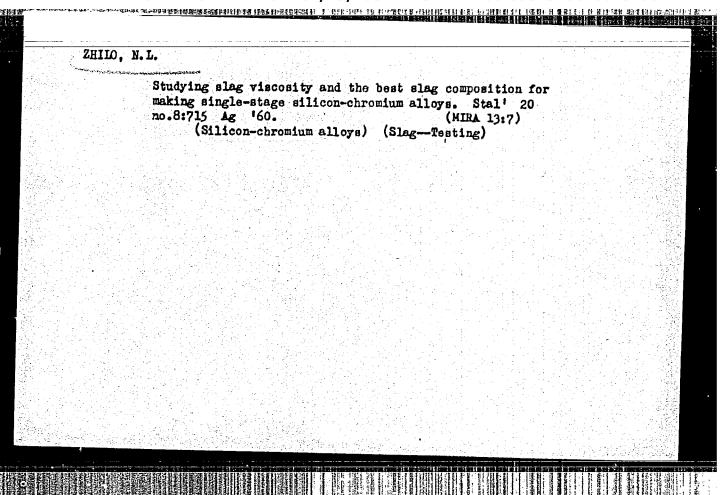
| ZHILO, | N,L,  | SCHOOLS . Y |
|--------|---|-------------|
|        | Effect of lime and fluorite on the viscosity of slags in the production of chromium-milicon alloys. Stal' 21 no.6:525 Je '61.   |             |
|        | (Slag-Analysis) (MIRA 14:5)   |             |
|        | 사용 보다 보는 것이다. 그런 말을 하면 되었습니다. 그 그는 것이 되는 것이 되는 것이다. 그는 것이다.<br>   |             |
|        | 물통하고 있는 경에 가는 사람이 가득하게 하고 있다. 그는 사람이 되었다는 것이 되었다는 것이 되었다.<br>   |             |
|        | 가 많아 들어야 하는 것이 모습니다.<br>  |             |
|        | 등일 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -  |             |
|        | 등을 보고 있다. 전환 전환 경험 등을 보고 있는 것이 되었다. 그는 것이 되었다. 그는 것은 것이 되었다.<br>문화 사람들은 전환 전환 등 경험 경험을 보고 있는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다.  |             |
|        | 마일 등 발표하였다. 교육은 학교 회사 등 하는 내용 전기 및 사람이 되는 것이 되는 것이 되는 것이 되는 하는 것이 되는 것이다.<br>교육 보기 대통기를 보고 있습니다.  |             |
|        | 클릭 전통 내용하는 경기를 통해 되었다. 그는 이 대한 경기는 그는 그리고 있다는 것은 그는 수 있을 것이 모습니다.<br>그는 사람들은 사람들이 가득하는 것이 되었다면 하는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다.   |             |
|        | (1) 16 등 등 없는 보고 있는 말로 함께 없고 있다. 이 보고 있다. 이 12 등 등 보고 있는 것이 되었다. 그는 것이 없는 것이 없는 것이 없는 것이다.<br>[2] [2]   |             |
|        | 마양병을 보는 이 등에서 하는 것을 하면 모든 사람들은 보고 있다. 그는 보고 있는 것이 되었다. 그는 그리고 있는 것은 그를 보고 있는 것이 없는데 없었다.<br>그렇게 되었다. 물로 보고 있는데 기를 보고 있는데 보고 있는데 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있다. |             |
|        | 요한 점시 그는 아름을 하는 때 경상으로 하는데 보다는 사람이 있다. 요절하는 그리고 하는데 되었다.<br>2014년 - 마루토를 돌아온 호텔 사용물로 보고 있다. 아니라는데 중요로 이번에 나타를 하는데 하는데 되었다.  |             |
|        |   |             |
|        |   |             |

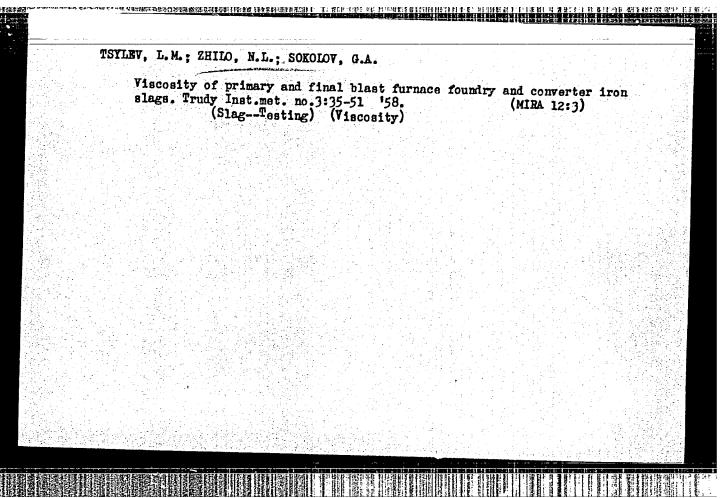
**非对于2%** 

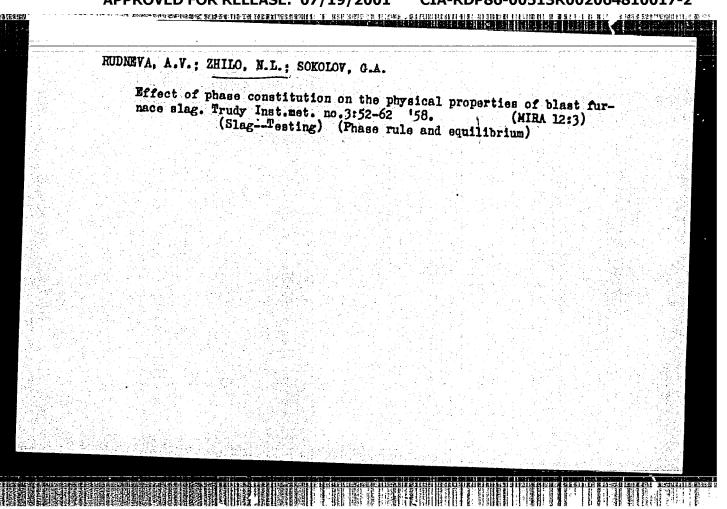
ZHILO, N.L. (Chelyabinsk); BOL'SHAKOVA, L.I. (Chelyabinsk)

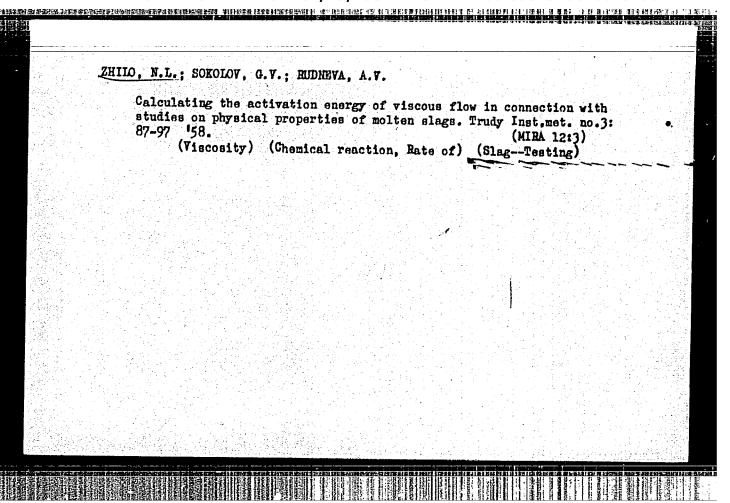
Effect of the mineralogical composition of blast furnace slags on their physical properties. Izv. AN SSSR. Met. 1 gor. delo no.4:40-46 Jl-Ag '64. (MIRA 17:9)











SOV/180-59-2-1/34 AUTHORS: Gul'tyay, I.I. Rudneva, A.V., Sokolov, G.A. Zhilo, N.L., and Tsylev, L.M. (Moscow) TITLE: Influence of Potassium Oxide on the Viscosity of Melts of the System Lime-Alumina-Silica in the Range Corresponding to the Compositions of Primary Blast-Furnace Slags (Vliyaniye okisi kaliya na vyazkost' rasplavov sistemy izvest'-glinozem-kremnezem v oblasti, sootvetstvuyushchey sostavam pervichnykh domennykh shlakov) PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, Metallurgiya i Toplivo, 1959, Nr 2, pp 3-7 (USSR)

ABSTRACT: Analyses of real blast-furnace primary slags (Ref 1) show an appreciable alkali content. The effect of alkalies on the physical properties of slags with 0.5 and 10% alumina has been described by some of the authors (Refs 1,2); the present work relates to melts with about 16% alumina. The experimental method used was as previously described (Refs 2,3), the apparatus (Ref 4) being slightly modified to increase thermocouple-sheath life. The range of

compositions covered was: 10.8 - +0.7% CaO; 34.1 - 55.8% SiO2; 15.0 - 17.5% Al<sub>2</sub>O<sub>3</sub>; 0.0 - 23.2% K<sub>2</sub>O; Card 1/3 0.21 - 1.35 CaO/SiO2. Table 1 shows the compositions

CIA-RDP86-00513R002064810017-2"

APPROVED FOR RELEASE: 07/19/2001

SOV/180-59-2-1/34

Influence of Potassium Oxide on the Viscosity of Melts of the System Lime-Alumina-Silica in the Range Corresponding to the Compositions of Primary Blast-Furnace Slags

有数据(主),并且是自己,这几十年的时间自己的关键的是,这个多数是一种的原则,并且他的原始的是是是是是有自己的原始的数据的数据的数据的数据的表现的数据的表现的

and viscosities at 1300, 1350, 1400, 1450 and 1500 °C and the temperatures at the start of crystallization and at a viscosity value of 60 poise. Fig 1 shows lines of equal compositions for different values of viscosity, 16% Al<sub>2</sub>0<sub>3</sub> and 1450 °C. Fig 2 shows isotherms for the start of crystallization for 16% Al<sub>2</sub>0<sub>3</sub> slags. The viscosity and temperature of the start of crystallization are shown in Figs 3 and 4, respectively, as functions of the lime: silica ratio for various K<sub>2</sub>0 contents. The results show that the introduction of K<sub>2</sub>0 into the slags produces an increase in viscosity and crystallization temperature, the effect being most marked with slags having high lime: silica ratios. Addition of K<sub>2</sub>0 also reduces the range of the most fluid compositions, while the slag-viscosity minimum rises from 8 to 13 poise. The authors have estimated the mineralogical compositions of their slags (Table 2). Slags with minimal viscosity at 1450°C are characterized by the predominance of

Card 2/3

Influence of Potassium Oxide on the Viscosity of Melts of the System 80V/180-59-2-1/34 Lime-Alumina-Silica in the Range Corresponding to the Compositions

pseudo-wollastonite and gehlenite. With acid slag, increasing viscosity is due to formation of anorthite and free silica; with basic slags to formation of

Card 3/3 There are 4 figures, 2 tables and 9 references, 5 of which are Soviet and 4 English.

SUBMITTED: June 6, 1958

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810017-2"

SOV/2812

ZHILONL.

PHASE I BOOK EXPLOITATION

Akademiya nauk SSSR. Institut metallurgii

- Vyplavka ferrosplavov v domennoy pechi na dut'ye, obogashchennom kislorodom (Blast Furnace Production of Ferroalloys With Oxygeneniched Blast) Moscow, Izd-vo AN SSSR, 1959. 142 p. Errata slip inserted. 2,700 copies printed.
- Sponsoring Agency: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
- Resp. Ed.: L. M. Tsylev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: Yu. V. Rylina.
- PURPOSE: This collection of articles is intended for scientific and industrial personnel working on the introduction of intensified blast-furnace production of ferroalloys. It may also be useful to students of institutions of higher technical education.
- COVERAGE: The articles in this collection present the results of investigations of blast furnace processes in the experimental production of ferroalloys, conducted at the Novo-Tul'skiy metallurgicheskiy zavod (Novo-Tul'skiy Metallurgical Plant). The Card 1/4

Blast Furnace Production (Cont.)

SOV/2812

first article discusses recent achievements in the production of ferroalloys in the Soviet Union. The other articles are concerned with such specific questions as the effect of oxygeneniched blast on coke consumption, the connection between bridging of the charge and slag composition, analysis of reduction processes, slag formation, and viscosity of blast furnace slags. On the basis of mineralogical study of materials, conclusions are drawn concerning the limits of distribution of solid, plastic, and liquid phases of materials at points along the height of the blast furnace shaft. The effect of the composition of charge materials and melting conditions on the nature of phase transformations is established. Measures are discussed for reducing dust losses and improving conditions for cleaning waste gas in the blast furnace production of ferroalloys. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Bardin, I. P. Application of Oxygen in Ferrous Metallurgy

The author briefly outlines the developments in the application of oxygen blast in pig-iron and ferroalloy production in the USSR, beginning with the first experiments in 1932. Application on an industrial scale is still limited.

Card 2/4

| Sov/2812  |          | - 4. C.O.S. & |
|---|----------|---------------|
| Tsylev, L. M. Primary Slag Formation in Blast Furnaces  | 8        |               |
| Zhilo, N. L. and L. M. Tsylev. On Reduction Processes, Slag Formation, and the Viscosity of Primary and Final Blast Furnace Slags in the Production of Ferroalloys With Oxygeneniched Blast   |          |               |
| Rudneva, A. V. Phase Transformations in the Blast Furnace Production of Ferroallovs   | 17       |               |
| 이 수가 살아를 잃고 가득하는 것으로 즐겁게 들어왔습니다. 하루, 말이 되고 하는 그는 그리는 그리고 하고 하는 것이다. 그는 그는 그는 그는   | 20       |               |
| Shapovalov, M. A. Analysis of the Blast Furnace Production of Ferroalloys With Oxygen-enriched Blast  | 38<br>70 |               |
| According to the author, extensive tests showed the use of the oxygen-enriched blast to be very effective. Productivity and 53 percent for ferrosilicon. Consumption of coke was reduced by 290 kg. for each ton of ferromanganese produced, and 50 per ton of ferrosilicon (in comparison with figure for a furnace at an unidentified plant). The tests also card 3/4 | y<br>nd  |               |

Blast Furnace Production (Cont.)

manner. Possibilities are said to exist for reducing the cost of oxygen by building high-output oxygen stations with steam-driven air compressors.

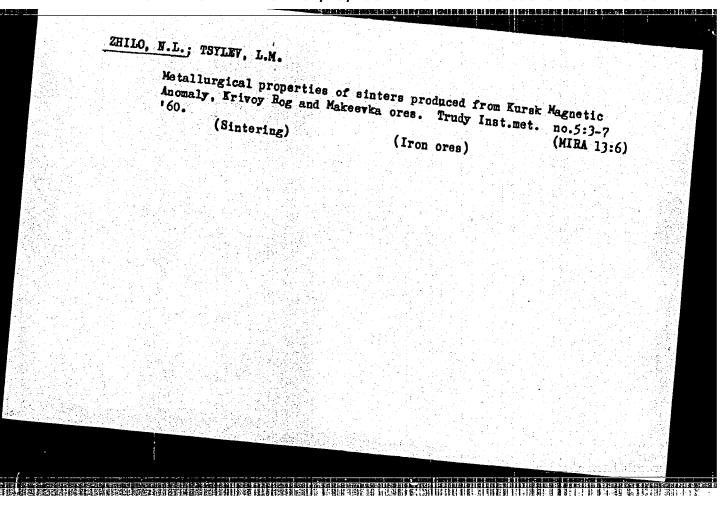
Gess-de-Kal've, B. A. Measures for Reducing Dust Losses and for Improving Conditions for Cleaning Waste Gas in the Blast

Improving Condition of Ferroalloys

AVAILABLE: Library of Congress

Card 4/4

1-15-60
GO/ec



sov/180-59-3-4/43

AUTHORS:

Gulityay, I.I., Zhilo, N.L., Sokolov, G.A. and

The Influence of Magnesia on the Physical Properties

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh TITLE nauk, Metallurgiya i toplivo, 1959, Nr 3, pp 20-24 (USSR)

Some results of an investigation of the influence of

ABSTRACT:

magnesia on the viscosity and crystallisation temperature of blast furnace slags are given. investigation was carried out in order to obtain an optimum composition of blast furnace slags possessing a minimum viscosity and maximum desulphurising power, applicable to the operating conditions of the Magnitogorsk Works. The viscosity of slags of the system Ca0 - Mg0 - 15% Al203 - SiO2 was studied using samples of industrial Magnitogorsk slags with additions of magnesia and, in some cases, of lime and on samples of synthetic slags made from pure oxides. The viscosity measurements were carried out in a rotating electroviscosimeter designed by the Academy of Sciences of the USSR (Ref 13) using carbon crucibles at temperatures

Card 1/2

**APPROVED FOR RELEASE: 07/19/2001** CIA-RDP86-00513R002064810017-2"

SOV/180-59-3-4/43

The Influence of Magnesia on the Physical Properties of Blast Furnace Slags

of 1400, 1450, 1500 and 1550°C. The experimental results are assembled in table 1. The results obtained indicated the range of compositions of slags of the quarternary system CaO-MgO-Al203-SiO2 with a minimum viscosity: CaO from 27.5 to 44%; SiO2 from 40 to 29.5%; MgO from 5 to 20% and Al203 - 15%. The ratio of CaO/SiO2 in these slags varies from 0.80 to 1.30 and the ratio of  $(CaO + MgO)/(SiO_2 + Al_2O_3)$  from 0.82 to 1.30. In order to explain the influence of magnesia on the mechanism of the viscous flow of slags, calculations of the activation energy En were carried out for slags with minimum viscosity. The activation energy varies from 26.7 to 47.5 k cal/mol, whereupon the minimum value was possessed by a slag with a CaO/SiO2 ratio of 1.01 and a  $(Ca0 + Mg0)/(Si0_2 + Al_20_3)$  ratio of 1.15 (Fig 4). There are 4 figures, 1 table and 13 references, 7 of which are Soviet and 6 English.

SUBMITTED: September 17, 1957

Card 2/2

ZHILO, N.L

18(4)

PHASE I BOOK EXPLOITATION

sov/1896

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Metallurgy, Study of Metals, and Physicochemical Methods of Investigation) Moscow, Izd-vo AN SSSR, 308 p. (Series: Its: Trudy, vyp. 3) Errata slip inserted. 3,000 copies printed.

Resp. Ed.: I.P. Bardin, Academician; Ed. of Publishing House: A.N. Chernov; Tech. Ed.: I.F. Kuzmin.

PURPOSE: This book is of interest to researchers in metallurgy, as well as to the technical personnel of the metallurgical industry.

COVERAGE: This volume of the Trudy (Transactions) of the Institut metallurgii imeni A.A. Baykova (Metallurigical Institute im. A.A. Baykov) contains 31 studies on metallurgy, individual metals and alloys, and physicochemical methods of investigation. Some of the studies pertain to the reduction of titanomagnetites, the viscosity and other characteristics of blast furnace slag, dislocation in metals, cracking of metals due to corrosion, simultaneous

Card 1/6

# sov/1896 Metallurgy, Study of Metals (Cont.) solubility of metals at various temperatures, apparatus for measuring electrical resistance and for determining the melting point of alloys and metals, optical spectral analysis, quantitative determinations by the sublimation method, and aging of alloys. Each study is accompanied by references. TABLE OF CONTENTS: Reznichenko, V.A. Reducing Titanomagnetites by Means of Carbon Monoxide 3 and Solid Carbon Tsylev, L.M., N.L. Zhilo, and G.A. Sokolov. Viscosity of Natural Primary 35 and Final Blast Furnace Slags of Cast and Conversion Iron Rudneva, A.V., N.L. Zhilo, and G.A. Sokolov. Effect of Phase Composition 52 on the Physical Properties of Blast Furnace Slags Cubin, G.V., and L.M. Tsylev. On the Reduction of Ore and Carbon Gramules 63 Khodak, L.Z. Shape and Dimensions of the Combustion Zone in a Blast Furnace 69 Card 2/6